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HODGSON, PHILIP LEVI.

The Modern Measurer; Particularly adapted
according to the Present Standard of Ireland ..
with alterations and additions. Dublin: Printed

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leather label and gilt on spine (worn & front cov
signature of former owner on title, otherwise a

The Advertisement on the verso of the title-pa
changes which have taken place in the prices of
work since last edition, deem the present public
This work contains copious tables on the prices
costs of labor in all the phases of the building i
tions on the work of bricklayers, carpenters, g
etc.

Kress: B 1394 (the 10th edition of 1801).

HODGSON, PHILIP [FL. VI.

The Modern Measurer: Particularly adapted to Timber and Building, according to the Present Standard of Ireland ... The Eleventh edition, with alterations and additions. Dublin: Printed by J. & J. Carrick, 1806.

Tall 8vo. [.]ff. 111pp. including tables. Contemporary calf, red leather label and gilt on spine (worn & front cover off). Title-page loose, signature of former owner on title, otherwise a good copy.

[redacted]

The Advertisement on the verso of the title-page states "The various changes which have taken place in the prices of the several artificers' work since last edition, deem the present publication absolutely necessary." This work contains copious tables on the prices of all the materials and costs of labor in all the phases of the building industry as well as instructions on the work of bricklayers, carpenters, glazers, plumbers, painters, etc.

Kress: B 4391 (the 10th edition of 1801).

THE

MODERN MEASURER;

Particularly adapted to

Timber and Building,

ACCORDING TO

THE PRESENT STANDARD

OF

IRELAND.

CONTAINING

1st A copious set of tables of solid and superficial measure, shewing at sight, the contents practically needful.

2d A table shewing at sight, the prices per solid foot of round or square timber, agreeable to the prices per ton.

3d Tables of small scantling, and square feet of different thickness to a foot and ton solid.

4th Value per superficial foot of different thickness, from six inches to inch and half thick, at various rates per ton.

5th A mode of ascertaining the standard count of planks of different length, breadth and thickness.

6th A table of broken quantities under 100, from 8s. down to 2s. 6d. per C.

7th Prices of scantlings, from two to eight and a half inches per running foot, governed by the different prices per cube foot.

8th Practical examples in measuring of timber, and allowances to be made for various defects therein.

9th The present prices and customs of the several artificers work relating to building, when finished in a masterly manner, and modern taste—together with paper-hanging measure, paving and sinking foundations.

10th Proportions of scantling in small and large building, with customs of wainscotting.

11th Naval measure in Great Britain and Ireland.

The whole laid down in a satisfactory manner.

By PHILIP LEVI HODGSON & SON,

MEASURERS.

Sold by P. L. HODGSON, No. 16, Lower Coombe,

THE ELEVENTH EDITION, WITH ALTERATIONS AND ADDITIONS.

DUBLIN:

PRINTED BY J. & J. CARRICK, 29, BACHELOR's-WALK,

FOR THE AUTHOR.

1806.

Price in Blue, Eight British Shillings

ADVERTISEMENT.

THE various changes which have taken place in the prices of the several artificers work since last edition, deem the present publication absolutely necessary.

The utmost pains have been taken to lay the present work before the public in such a manner as will it is presumed, meet the approbation of employer and workman, and render *the eleventh edition* of *Hodgson's* measuring, worthy the countenance and protection which his former editions have so amply received from a generous public.

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A

TABLE

OF

SOLID MEASURE.

Feet Long.	*Inches square.*				Feet Long.	*Inches square.*			
	3	3¼	3½	3¾		3	3¼	3½	3¾
	F. Q	F. Q.	F. Q	F. Q		F. Q	F. Q.	F. Q.	F. Q
1	0 0	0 0	0 0	0 0	26	1 2	1 3	2 0	2 2
1½	0 0	0 0	0 0	0 0	26½	1 2	1 3	2 1	2 2
2	0 0	0 0	0 0	0 0	27	1 2	1 3	2 1	2 2
2½	0 0	0 0	0 0	0 0	27½	1 2	2 0	2 1	2 2
3	0 0	0 0	0 1	0 1	28	1 3	2 0	2 1	2 2
3½	0 0	0 1	0 1	0 1	28½	1 3	2 0	2 1	2 3
4	0 1	0 1	0 1	0 1	29	1 3	2 0	2 1	2 3
4½	0 1	0 1	0 1	0 1	29½	1 3	2 0	2 2	2 3
5	0 1	0 1	0 1	0 1	30	1 3	2 0	2 2	2 3
5½	0 1	0 1	0 1	0 2	30½	1 3	2 0	2 2	2 3
6	0 1	0 1	0 2	0 2	31	1 3	2 1	2 2	3 0
6½	0 1	0 1	0 2	0 2	31½	1 3	2 1	2 2	3 0
7	0 1	0 2	0 2	0 2	32	2 0	2 1	2 2	3 0
7½	0 1	0 2	0 2	0 2	32½	2 0	2 1	2 3	3 0
8	0 2	0 2	0 2	0 3	33	2 0	2 1	2 3	3 0
8½	0 2	0 2	0 2	0 3	33½	2 0	2 1	2 3	3 1
9	0 2	0 2	0 3	0 3	34	2 0	2 1	2 3	3 1
9½	0 2	0 2	0 3	0 3	34½	2 0	2 2	2 3	3 1
10	0 2	0 2	0 3	0 3	35	2 0	2 2	2 3	3 1
10½	0 2	0 3	0 3	1 0	35½	2 0	2 2	3 0	3 1
11	0 2	0 3	0 3	1 0	36	2 1	2 2	3 0	3 2
11½	0 2	0 3	0 3	1 0	36½	2 1	2 2	3 0	3 2
12	0 3	0 3	1 0	1 0	37	2 1	2 2	3 0	3 2
12½	0 3	0 3	1 0	1 0	37½	2 1	2 3	3 0	3 2
13	0 3	0 3	1 0	1 1	38	2 1	2 3	3 0	3 2
13½	0 3	0 3	1 0	1 1	38½	2 1	2 3	3 1	3 3
14	0 3	1 0	1 0	1 1	39	2 1	2 3	3 1	3 3
14½	0 3	1 0	1 0	1 1	39½	2 1	2 3	3 1	3 3
15	0 3	1 0	1 1	1 1	40	2 2	2 3	3 1	3 3
15½	0 3	1 0	1 1	1 2	40½	2 2	2 3	3 1	3 3
16	1 0	1 0	1 1	1 2	41	2 2	3 0	3 1	4 0
16½	1 0	1 0	1 1	1 2	41½	2 2	3 0	3 2	4 0
17	1 0	1 0	1 1	1 2	42	2 2	3 0	3 2	4 0
17½	1 0	1 1	1 1	1 2	42½	2 2	3 0	3 2	4 0
18	1 0	1 1	1 2	1 3	43	2 2	3 0	3 2	4 0
18½	1 0	1 1	1 2	1 3	43½	2 2	3 0	3 2	4 0
19	1 0	1 1	1 2	1 3	44	2 3	3 0	3 2	4 1
19½	1 0	1 1	1 2	1 3	44½	2 3	3 1	3 3	4 1
20	1 1	1 1	1 2	1 3	45	2 3	3 1	3 3	4 1
20½	1 1	1 2	1 2	2 0	45½	2 3	3 1	3 3	4 1
21	1 1	1 2	1 3	2 0	46	2 3	3 1	3 3	4 1
21½	1 1	1 2	1 3	2 0	46½	2 3	3 1	3 3	4 2
22	1 1	1 2	1 3	2 0	47	2 3	3 1	3 3	4 2
22½	1 1	1 2	1 3	2 0	47½	2 3	3 1	4 0	4 2
23	1 1	1 2	1 3	2 0	48	3 0	3 2	4 0	4 2
23½	1 1	1 2	1 3	2 1	48½	3 0	3 2	4 0	4 2
24	1 2	1 3	2 0	2 1	49	3 0	3 2	4 0	4 3
24½	1 2	1 3	2 0	2 1	49½	3 0	3 2	4 0	4 3
25	1 2	1 3	2 0	2 1	50	3 0	3 2	4 1	4 3
25½	1 2	1 3	2 0	2 1					

Feet Long.	*Inches square.*				Feet Long.	*Inches square.*			
	4	4¼	4½	4¾		4	4¼	4½	4¾
	F. Q.	F. Q	F. Q	F. Q.		F. Q	F. Q	F. Q.	F. Q.
1	0 0	0 0	0 0	0 0	26	2 3	3 1	3 2	4 0
1½	0 0	0 0	0 0	0 0	26½	2 3	3 1	3 2	4 0
2	0 0	0 1	0 1	0 1	27	3 0	3 1	3 3	4 0
2½	0 1	0 1	0 1	0 1	27½	3 0	3 1	3 3	4 1
3	0 1	0 1	0 1	0 1	28	3 0	3 2	3 3	4 1
3½	0 1	0 1	0 1	0 2	28½	3 0	3 2	4 0	4 1
4	0 1	0 2	0 2	0 2	29	3 0	3 2	4 0	4 2
4½	0 2	0 2	0 2	0 2	29½	3 1	3 2	4 0	4 2
5	0 2	0 2	0 2	0 3	30	3 1	3 3	4 0	4 2
5½	0 2	0 2	0 3	0 3	30½	3 1	3 3	4 1	4 3
6	0 2	0 3	0 3	0 3	31	3 1	3 3	4 1	4 3
6½	0 2	0 3	0 3	1 0	31½	3 2	3 3	4 1	4 3
7	0 3	0 3	0 3	1 0	32	3 2	4 0	4 2	5 0
7½	0 3	0 3	1 0	1 0	32½	3 2	4 0	4 2	5 0
8	0 3	1 0	1 0	1 1	33	3 2	4 0	4 2	5 0
8½	0 3	1 0	1 0	1 1	33½	3 2	4 0	4 2	5 0
9	1 0	1 0	1 1	1 1	34	3 3	4 1	4 3	5 1
9½	1 0	1 0	1 1	1 1	34½	3 3	4 1	4 3	5 1
10	1 0	1 1	1 1	1 2	35	3 3	4 1	4 3	5 1
10½	1 0	1 1	1 1	1 2	35½	3 3	4 1	4 3	5 2
11	1 0	1 1	1 2	1 2	36	4 0	4 2	5 0	5 2
11½	1 1	1 1	1 2	1 3	36½	4 0	4 2	5 0	5 2
12	1 1	1 2	1 2	1 3	37	4 0	4 2	5 0	5 3
12½	1 1	1 2	1 3	1 3	37½	4 0	4 2	5 1	5 3
13	1 1	1 2	1 3	2 0	38	4 0	4 3	5 1	5 3
13½	1 2	1 2	1 3	2 0	38½	4 1	4 3	5 1	6 0
14	1 2	1 3	1 3	2 0	39	4 1	4 3	5 1	6 0
14½	1 2	1 3	2 0	2 1	39½	4 1	4 3	5 2	6 0
15	1 2	1 3	2 0	2 1	40	4 1	5 0	5 2	6 1
15½	1 2	1 3	2 0	2 1	40½	4 2	5 0	5 2	6 1
16	1 3	2 0	2 1	2 2	41	4 2	5 0	5 3	6 1
16½	1 3	2 0	2 1	2 2	41½	4 2	5 0	5 3	6 2
17	1 3	2 0	2 1	2 2	42	4 2	5 1	5 3	6 2
17½	1 3	2 0	2 1	2 2	42½	4 2	5 1	5 3	6 2
18	2 0	2 1	2 2	2 3	43	4 3	5 1	6 0	6 2
18½	2 0	2 1	2 2	2 3	43½	4 3	5 1	6 0	6 3
19	2 0	2 1	2 2	2 3	44	4 3	5 2	6 0	6 3
19½	2 0	2 1	2 2	3 0	44½	4 3	5 2	6 1	6 3
20	2 0	2 2	2 3	3 0	45	5 0	5 2	6 1	7 0
20½	2 1	2 2	2 3	3 0	45½	5 0	5 2	6 1	7 0
21	2 1	2 2	2 3	3 1	46	5 0	5 3	6 1	7 0
21½	2 1	2 2	3 0	3 1	46½	5 0	5 3	6 2	7 1
22	2 1	2 3	3 0	3 1	47	5 0	5 3	6 2	7 1
22½	2 2	2 3	3 0	3 2	47½	5 1	5 3	6 2	7 1
23	2 2	2 3	3 0	3 2	48	5 1	6 0	6 3	7 2
23½	2 2	2 3	3 1	3 2	48½	5 1	6 0	6 3	7 2
24	2 2	3 0	3 1	3 3	49	5 1	6 0	6 3	7 2
24½	2 2	3 0	3 1	3 3	49½	5 2	6 0	6 3	7 3
25	2 3	3 0	3 2	3 3	50	5 2	6 1	7 0	7 3
25½	2 3	3 0	3 2	3 3					

Feet Long.	*Inches square.* 5	5¼	5½	5¾	Feet Long.	*Inches square.* 5	5¼	5½	5¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	0 0	0 0	0 0	0 0	26	4 2	4 3	5 1	5 3
1½	0 1	0 1	0 1	0 1	26½	4 2	5 0	5 2	6 0
2	0 1	0 1	0 1	0 1	27	4 2	5 0	5 2	6 0
2½	0 1	0 1	0 2	0 2	27½	4 3	5 1	5 3	6 1
3	0 2	0 2	0 2	0 2	28	4 3	5 1	5 3	6 1
3½	0 2	0 2	0 2	0 3	28½	4 3	5 1	5 3	6 2
4	0 2	0 3	0 3	0 3	29	5 0	5 2	6 0	6 2
4½	0 3	0 3	0 3	1 0	29½	5 0	5 2	6 0	6 3
5	0 3	0 3	1 0	1 0	30	5 0	5 2	6 1	6 3
5½	0 3	1 0	1 0	1 1	30½	5 1	5 3	6 1	7 0
6	1 0	1 0	1 1	1 1	31	5 1	5 3	6 2	7 0
6½	1 0	1 0	1 1	1 1	31½	5 1	6 0	6 2	7 0
7	1 0	1 1	1 1	1 2	32	5 2	6 0	6 2	7 1
7½	1 1	1 1	1 2	1 2	32½	5 2	6 0	6 3	7 1
8	1 1	1 2	1 2	1 3	33	5 2	6 1	6 3	7 2
8½	1 1	1 2	1 3	1 3	33½	5 3	6 1	7 0	7 2
9	1 2	1 2	1 3	2 0	34	5 3	6 2	7 0	7 3
9½	1 2	1 3	1 3	2 0	34½	5 3	6 2	7 0	7 3
10	1 2	1 3	2 0	2 1	35	6 0	6 2	7 1	8 0
10½	1 3	2 0	2 0	2 1	35½	6 0	6 3	7 1	8 0
11	1 3	2 0	2 1	2 2	36	6 1	6 3	7 2	8 1
11½	1 3	2 0	2 1	2 2	36½	6 1	6 3	7 2	8 1
12	2 0	2 1	2 2	2 3	37	6 1	7 0	7 3	8 1
12½	2 0	2 1	2 2	2 3	37½	6 2	7 0	7 3	8 2
13	2 1	2 1	2 2	2 3	38	6 2	7 1	7 3	8 2
13½	2 1	2 2	2 3	3 0	38½	6 2	7 1	8 0	8 3
14	2 1	2 2	2 3	3 0	39	6 3	7 1	8 0	8 3
14½	2 2	2 3	3 0	3 1	39½	6 3	7 2	8 1	9 0
15	2 2	2 3	3 0	3 1	40	6 3	7 2	8 1	9 0
15½	2 2	2 3	3 1	3 2	40½	7 0	7 3	8 2	9 1
16	2 3	3 0	3 1	3 2	41	7 0	7 3	8 2	9 1
16½	2 3	3 0	3 1	3 3	41½	7 0	7 3	8 2	9 2
17	2 3	3 1	3 2	3 3	42	7 1	8 0	8 3	9 2
17½	3 0	3 1	3 2	4 0	42½	7 1	8 0	8 3	9 3
18	3 0	3 1	3 3	4 0	43	7 1	8 0	9 0	9 3
18½	3 0	3 2	3 3	4 0	43½	7 2	8 1	9 0	9 3
19	3 1	3 2	3 3	4 1	44	7 2	8 1	9 0	10 0
19½	3 1	3 2	4 0	4 1	44½	7 2	8 2	9 1	10 0
20	3 1	3 3	4 0	4 2	45	7 3	8 2	9 1	10 1
20½	3 2	3 3	4 1	4 2	45½	7 3	8 2	9 2	10 1
21	3 2	4 0	4 1	4 3	46	7 3	8 3	9 2	10 2
21½	3 2	4 0	4 2	4 3	46½	8 0	8 3	9 3	10 2
22	3 3	4 0	4 2	5 0	47	8 0	8 3	9 3	10 3
22½	3 3	4 1	4 2	5 0	47½	8 0	9 0	9 3	10 3
23	3 3	4 1	4 3	5 1	48	8 1	9 0	10 0	11 0
23½	4 0	4 1	4 3	5 1	48½	8 1	9 1	10 0	11 0
24	4 0	4 2	5 0	5 2	49	8 2	9 1	10 1	11 1
24½	4 1	4 2	5 0	5 2	49½	8 2	9 1	10 1	11 1
25	4 1	4 3	5 1	5 2	50	8 2	9 2	10 2	11 1
25½	4 1	4 3	5 1	5 3					

Feet Long.	*Inches square.* 0	0¼	0½	0¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	0 1	0 1	0 1	0 1
1½	0 1	0 1	0 1	0 1
2	0 2	0 2	0 2	0 2
2½	0 2	0 2	0 2	0 3
3	0 3	0 3	0 3	0 3
3½	0 3	0 3	1 0	1 0
4	1 0	1 0	1 0	1 1
4½	1 0	1 0	1 1	1 1
5	1 1	1 1	1 1	1 2
5½	1 1	1 1	1 2	1 2
6	1 2	1 2	1 3	1 3
6½	1 2	1 3	1 3	2 0
7	1 3	1 3	2 0	2 0
7½	1 3	2 0	2 0	2 1
8	2 0	2 0	2 1	2 2
8½	2 0	2 1	2 1	2 2
9	2 1	2 1	2 2	2 3
9½	2 1	2 2	2 3	3 0
10	2 2	2 2	2 3	3 0
10½	2 2	2 3	3 0	3 1
11	2 3	2 3	3 0	3 1
11½	2 3	3 0	3 1	3 2
12	3 0	3 1	3 2	3 3
12½	3 0	3 1	3 2	3 3
13	3 1	3 2	3 3	4 0
13½	3 1	3 2	3 3	4 1
14	3 2	3 3	4 0	4 1
14½	3 2	3 3	4 1	4 2
15	3 3	4 0	4 1	4 2
15½	3 3	4 0	4 2	4 3
16	4 0	4 1	4 2	5 0
16½	4 0	4 1	4 3	5 0
17	4 1	4 2	4 3	5 1
17½	4 1	4 2	5 0	5 2
18	4 2	4 3	5 1	5 2
18½	4 2	5 0	5 1	5 3
19	4 3	5 0	5 2	6 0
19½	4 3	5 1	5 2	6 0
20	5 0	5 1	5 3	6 1
20½	5 0	5 2	6 0	6 1
21	5 1	5 2	6 0	6 2
21½	5 1	5 3	6 1	6 3
22	5 2	5 3	6 1	6 3
22½	5 2	6 0	6 2	7 0
23	5 3	6 0	6 2	7 1
23½	5 3	6 1	6 3	7 1
24	6 0	6 2	7 0	7 2
24½	6 0	6 2	7 0	7 3
25	6 1	6 3	7 1	7 3
25½	6 1	6 3	7 1	8 0

Feet Long	*Inches square.* 0	0¼	0½	0¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	6 2	7 0	7 2	8 0
26½	6 2	7 0	7 3	8 1
27	6 3	7 1	7 3	8 2
27½	6 3	7 1	8 0	8 2
28	7 0	7 2	8 0	8 3
28½	7 0	7 2	8 1	9 0
29	7 1	7 3	8 2	9 0
29½	7 1	8 0	8 2	9 1
30	7 2	8 0	8 3	9 1
30½	7 2	8 1	8 3	9 2
31	7 3	8 1	9 0	9 3
31½	7 3	8 2	9 0	9 3
32	8 0	8 2	9 1	10 0
32½	8 0	8 3	9 2	10 1
33	8 1	8 3	9 2	10 1
33½	8 1	9 0	9 3	10 2
34	8 2	9 0	9 3	10 3
34½	8 2	9 1	10 0	10 3
35	8 3	9 1	10 1	11 0
35½	8 3	9 2	10 1	11 0
36	9 0	9 3	10 2	11 1
36½	9 0	9 3	10 2	11 2
37	9 1	10 0	10 3	11 2
37½	9 1	10 0	11 0	11 3
38	9 2	10 1	11 0	12 0
38½	9 2	10 1	11 1	12 0
39	9 3	10 2	11 1	12 1
39½	9 3	10 2	11 2	12 1
40	10 0	10 3	11 2	12 2
40½	10 0	10 3	11 3	12 3
41	10 1	11 0	12 0	12 3
41½	10 1	11 1	12 0	13 0
42	10 2	11 1	12 1	13 1
42½	10 2	11 2	12 1	13 1
43	10 3	11 2	12 2	13 2
43½	10 3	11 3	12 3	13 3
44	11 0	11 3	12 3	13 3
44½	11 0	12 0	13 0	14 0
45	11 1	12 0	13 0	14 0
45½	11 1	12 1	13 1	14 1
46	11 2	12 1	13 1	14 2
46½	11 2	12 2	13 2	14 2
47	11 3	12 2	13 3	14 3
47½	11 3	12 3	13 3	15 0
48	12 0	13 0	14 0	15 0
48½	12 0	13 0	14 0	15 1
49	12 1	13 1	14 1	15 2
49½	12 1	13 1	14 2	15 2
50	12 2	13 2	14 2	15 3

Feet Long.	*Inches square.* 7	7¼	7½	7¾	Feet Long.	*Inches square.* 7	7¼	7½	7¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	0 1	0 1	0 1	0 1	26	8 3	9 1	10 0	10 3
1½	0 2	0 2	0 2	0 2	26½	9 0	9 2	10 1	11 0
2	0 2	0 2	0 3	0 3	27	9 0	9 3	10 2	11 1
2½	0 3	0 3	0 3	1 0	27½	9 1	10 0	10 2	11 1
3	1 0	1 0	1 0	1 1	28	9 2	10 0	10 3	11 2
3½	1 0	1 1	1 1	1 1	28½	9 2	10 1	11 0	11 3
4	1 1	1 1	1 2	1 2	29	9 3	10 2	11 1	12 0
4½	1 2	1 2	1 3	1 3	29½	10 0	10 3	11 2	12 1
5	1 2	1 3	1 3	2 0	30	10 0	10 3	11 2	12 2
5½	1 3	2 0	2 0	2 1	30½	10 1	11 0	11 3	12 2
6	2 0	2 0	2 1	2 2	31	10 2	11 1	12 0	12 3
6½	2 0	2 1	2 2	2 2	31½	10 2	11 1	12 1	13 0
7	2 1	2 2	2 2	2 3	32	10 3	11 2	12 2	13 1
7½	2 2	2 2	2 3	3 0	32½	11 0	11 3	12 2	13 2
8	2 2	2 3	3 0	3 1	33	11 0	12 0	12 3	13 3
8½	2 3	3 0	3 1	3 2	33½	11 1	12 0	13 0	13 3
9	3 0	3 1	3 2	3 3	34	11 2	12 1	13 1	14 0
9½	3 0	3 1	3 2	3 3	34½	11 2	12 2	13 1	14 1
10	3 1	3 2	3 3	4 0	35	11 3	12 3	13 2	14 2
10½	3 2	3 3	4 0	4 1	35½	12 0	12 3	13 3	14 3
11	3 2	4 0	4 1	4 2	36	12 1	13 0	14 0	15 0
11½	3 3	4 0	4 1	4 3	36½	12 1	13 1	14 1	15 0
12	4 0	4 1	4 2	5 0	37	12 2	13 2	14 1	15 1
12½	4 1	4 2	4 3	5 0	37½	12 3	13 2	14 2	15 2
13	4 1	4 2	5 0	5 1	38	12 3	13 3	14 3	15 3
13½	4 2	4 3	5 1	5 2	38½	13 0	14 0	15 0	16 0
14	4 3	5 0	5 1	5 3	39	13 1	14 0	15 0	16 1
14½	4 3	5 1	5 2	6 0	39½	13 1	14 1	15 1	16 1
15	5 0	5 1	5 3	6 1	40	13 2	14 2	15 2	16 2
15½	5 1	5 2	6 0	6 1	40½	13 3	14 3	15 3	16 3
16	5 1	5 3	6 1	6 2	41	13 3	14 3	16 0	17 0
16½	5 2	6 0	6 1	6 3	41½	14 0	15 0	16 0	17 1
17	5 3	6 0	6 2	7 0	42	14 1	15 1	16 1	17 2
17½	5 3	6 1	6 3	7 1	42½	14 1	15 2	16 2	17 2
18	6 0	6 2	7 0	7 2	43	14 2	15 2	16 3	17 3
18½	6 1	6 3	7 0	7 2	43½	14 3	15 3	16 3	18 0
19	6 1	6 3	7 1	7 3	44	14 3	16 0	17 0	18 1
19½	6 2	7 0	7 2	8 0	44½	15 0	16 0	17 1	18 2
20	6 3	7 1	7 3	8 1	45	15 1	16 1	17 2	18 3
20½	6 3	7 1	8 0	8 2	45½	15 1	16 2	17 3	18 3
21	7 0	7 2	8 0	8 3	46	15 2	16 3	17 3	19 0
21½	7 1	7 3	8 1	8 3	46½	15 3	16 3	18 0	19 1
22	7 1	8 0	8 2	9 0	47	15 3	17 0	18 1	19 2
22½	7 2	8 0	8 3	9 1	47½	16 0	17 1	18 2	19 3
23	7 3	8 1	8 3	9 2	48	16 1	17 2	18 3	20 0
23½	7 3	8 2	9 0	9 3	48½	16 2	17 2	18 3	20 0
24	8 0	8 3	9 1	10 0	49	16 2	17 3	19 0	20 1
24½	8 1	8 3	9 2	10 0	49½	16 3	18 0	19 1	20 2
25	8 2	9 0	9 3	10 1	50	17 0	18 1	19 2	20 3
25½	8 2	9 1	9 3	10 2					

Feet Long.	*Inches square.*				Feet Long.	*Inches square.*			
	8	8¼	8½	8¾		8	8¼	8½	8¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	0 1	0 1	0 2	0 2	26	11 2	12 1	13 0	13 3
1½	0 2	0 2	0 3	0 3	26½	11 3	12 2	13 1	14 0
2	0 3	0 3	1 0	1 0	27	12 0	12 3	13 2	14 1
2½	1 0	1 0	1 1	1 1	27½	12 0	12 3	13 3	14 2
3	1 1	1 1	1 2	1 2	28	12 1	13 0	14 0	14 3
3½	1 2	1 2	1 3	1 3	28½	12 2	13 1	14 1	15 0
4	1 3	1 3	2 0	2 0	29	12 3	13 2	14 2	15 1
4½	2 0	2 0	2 1	2 1	29½	13 0	13 3	14 3	15 2
5	2 0	2 1	2 2	2 2	30	13 1	14 0	15 0	15 3
5½	2 1	2 2	2 3	2 3	30½	13 2	14 1	15 1	16 0
6	2 2	2 3	3 0	3 0	31	13 3	14 2	15 2	16 1
6½	2 3	3 0	3 1	3 1	31½	14 0	14 3	15 3	16 2
7	3 0	3 1	3 2	3 2	32	14 0	15 0	16 0	17 0
7½	3 1	3 2	3 3	3 3	32½	14 1	15 1	16 1	17 1
8	3 2	3 3	4 0	4 1	33	14 2	15 2	16 2	17 2
8½	3 3	4 0	4 1	4 2	33½	14 3	15 3	16 3	17 3
9	4 0	4 1	4 2	4 3	34	15 0	16 0	17 0	18 0
9½	4 0	4 1	4 3	5 0	34½	15 1	16 1	17 1	18 1
10	4 1	4 2	5 0	5 1	35	15 2	16 2	17 2	18 2
10½	4 2	4 3	5 1	5 2	35½	15 3	16 3	17 3	18 3
11	4 3	5 0	5 2	5 3	36	16 0	17 0	18 0	19 0
11½	5 0	5 1	5 3	6 0	36½	16 0	17 1	18 1	19 1
12	5 1	5 2	6 0	6 1	37	16 1	17 1	18 2	19 2
12½	5 2	5 3	6 1	6 2	37½	16 2	17 2	18 3	19 3
13	5 3	6 0	6 2	6 3	38	16 3	17 3	19 0	20 0
13½	6 0	6 1	6 3	7 0	38½	17 0	18 0	19 1	20 1
14	6 0	6 2	7 0	7 1	39	17 1	18 1	19 2	20 2
14½	6 1	6 3	7 1	7 2	39½	17 2	18 2	19 3	20 3
15	6 2	7 0	7 2	7 3	40	17 3	18 3	20 0	21 1
15½	6 3	7 1	7 3	8 0	40½	18 0	19 0	20 1	21 2
16	7 0	7 2	8 0	8 2	41	18 0	19 1	20 2	21 3
16½	7 1	7 3	8 1	8 3	41½	18 1	19 2	20 3	22 0
17	7 2	8 0	8 2	9 0	42	18 2	19 3	21 0	22 1
17½	7 3	8 1	8 3	9 1	42½	18 3	20 0	21 1	22 2
18	8 0	8 2	9 0	9 2	43	19 0	20 1	21 2	22 3
18½	8 0	8 2	9 1	9 3	43½	19 1	20 2	21 3	23 0
19	8 1	8 3	9 2	10 0	44	19 2	20 3	22 0	23 1
19½	8 2	9 0	9 3	10 1	44½	19 3	21 0	22 1	23 2
20	8 3	9 1	10 0	10 2	45	20 0	21 1	22 2	23 3
20½	9 0	9 2	10 1	10 3	45½	20 0	21 2	22 3	24 0
21	9 1	9 3	10 2	11 0	46	20 1	21 2	23 0	24 1
21½	9 2	10 0	10 3	11 1	46½	20 2	21 3	23 1	24 2
22	9 3	10 1	11 0	11 2	47	20 3	22 0	23 2	24 3
22½	10 0	10 2	11 1	11 3	47½	21 0	22 1	23 3	25 1
23	10 1	10 3	11 2	12 0	48	21 1	22 2	24 0	25 2
23½	10 0	11 0	11 3	12 1	48½	21 2	22 3	24 1	25 3
24	10 2	11 1	12 0	12 3	49	21 3	23 0	24 2	26 0
24½	10 3	11 2	12 1	13 0	49½	22 0	23 1	24 3	26 1
25	11 0	11 3	12 2	13 1	50	22 0	23 2	25 0	26 2
25½	11 1	12 0	12 3	13 2					

Feet Long	Inches square. 9	9¼	9½	9¾	Feet Long.	Inches square. 9	9¼	9½	9¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	0 2	0 2	0 2	0 2	26	14 2	15 1	16 1	17 0
1½	0 3	0 3	0 3	0 3	26½	14 3	15 2	16 2	17 1
2	1 0	1 0	1 1	1 1	27	15 0	16 0	16 3	17 3
2½	1 1	1 1	1 2	1 2	27½	15 1	16 1	17 0	18 0
3	1 2	1 3	1 3	1 3	28	15 3	16 2	17 2	18 1
3½	1 3	2 0	2 0	2 0	28½	16 0	16 3	17 3	18 3
4	2 1	2 1	2 2	2 2	29	16 1	17 0	18 0	19 0
4½	2 2	2 2	2 3	2 3	29½	16 2	17 2	18 1	19 1
5	2 3	2 3	3 0	3 1	30	16 3	17 3	18 3	19 3
5½	3 0	3 0	3 1	3 2	30½	17 0	18 0	19 0	20 0
6	3 1	3 2	3 3	3 3	31	17 1	18 1	19 1	20 1
6½	3 2	3 3	4 0	4 1	31½	17 2	18 2	19 2	20 3
7	3 3	4 0	4 1	4 2	32	18 0	19 0	20 0	21 0
7½	4 0	4 1	4 2	4 3	32½	18 1	19 1	20 1	21 1
8	4 2	4 3	5 0	5 1	33	18 2	19 2	20 2	21 3
8½	4 3	5 0	5 1	5 2	33½	18 3	19 3	20 3	22 0
9	5 0	5 1	5 2	5 3	34	19 0	20 0	21 1	22 1
9½	5 1	5 2	5 3	6 1	34½	19 1	20 1	21 2	22 3
10	5 2	5 3	6 1	6 2	35	19 2	20 3	21 3	23 0
10½	5 3	6 0	6 2	6 3	35½	19 3	21 0	22 0	23 1
11	6 0	6 2	6 3	7 1	36	20 1	21 1	22 2	23 3
11½	6 1	6 3	7 0	7 2	36½	20 2	21 2	22 3	24 0
12	6 3	7 0	7 2	7 3	37	20 3	21 3	23 0	24 1
12½	7 0	7 1	7 3	8 1	37½	21 0	22 1	23 2	24 3
13	7 1	7 2	8 0	8 2	38	21 1	22 2	23 3	25 0
13½	7 2	8 0	8 1	8 3	38½	21 2	22 3	24 0	25 1
14	7 3	8 1	8 3	9 0	39	21 3	23 0	24 1	25 2
14½	8 0	8 2	9 0	9 2	39½	22 0	23 1	24 3	26 0
15	8 1	8 3	9 1	9 3	40	22 2	23 3	25 0	26 1
15½	8 2	9 0	9 2	10 0	40½	22 3	24 0	25 1	26 2
16	9 0	9 2	10 0	10 2	41	23 0	24 1	25 2	27 0
16½	9 1	9 3	10 1	10 3	41½	23 1	24 2	26 0	27 1
17	9 2	10 0	10 2	11 0	42	23 2	24 3	26 1	27 2
17½	9 3	10 1	10 3	11 2	42½	23 3	25 1	26 2	28 0
18	10 0	10 2	11 1	11 3	43	24 0	25 2	26 3	28 1
18½	10 1	10 3	11 2	12 0	43½	24 1	25 3	27 1	28 2
19	10 2	11 1	11 3	12 2	44	24 3	26 0	27 2	29 0
19½	10 3	11 2	12 0	12 3	44½	25 0	26 1	27 3	29 1
20	11 1	11 3	12 2	13 0	45	25 1	26 2	28 0	29 2
20½	11 2	12 0	12 3	13 2	45½	25 2	27 0	28 2	30 0
21	11 3	12 1	13 0	13 3	46	25 3	27 1	28 3	30 1
21½	12 0	12 3	13 1	14 0	46½	26 0	27 2	29 0	30 2
22	12 1	13 0	13 3	14 2	47	26 1	27 3	29 1	31 0
22½	12 2	13 1	14 0	14 3	47½	26 2	28 0	29 3	31 1
23	12 3	13 2	14 1	15 0	48	27 0	28 2	30 0	31 2
23½	13 0	13 3	14 2	15 2	48½	27 1	28 3	30 1	32 0
24	13 2	14 1	15 0	15 3	49	27 2	29 0	30 2	32 1
24½	13 3	14 2	15 1	16 0	49½	27 3	29 1	31 0	32 2
25	14 0	14 3	15 2	16 2	50	28 0	29 2	31 1	33 0
25½	14 1	15 0	15 3	16 3					

Feet Long.	*Inches square.* 10	10¼	10½	10¾	Feet Long.	*Inches square.* 10	10¼	10½	10¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	0 2	0 2	0 3	0 3	26	18 0	18 3	19 3	20 3
1½	1 0	1 0	1 0	1 0	26½	18 1	19 1	20 1	21 1
2	1 1	1 1	1 2	1 2	27	18 3	19 2	20 2	21 2
2½	1 2	1 3	1 3	2 0	27½	19 0	20 0	21 0	22 0
3	2 0	2 0	2 1	2 1	28	19 1	20 1	21 1	22 1
3½	2 1	2 2	2 2	2 3	28½	19 3	20 3	21 3	22 3
4	2 3	2 3	3 0	3 0	29	20 0	21 0	22 0	23 1
4½	3 0	3 1	3 1	3 2	29½	20 1	21 2	22 2	23 2
5	3 1	3 2	3 3	4 0	30	20 3	21 3	22 3	24 0
5½	3 3	4 0	4 0	4 1	30½	21 0	22 1	23 1	24 1
6	4 0	4 1	4 2	4 3	31	21 2	22 2	23 2	24 3
6½	4 2	4 2	4 3	5 0	31½	21 3	22 3	24 0	25 1
7	4 3	5 0	5 1	5 2	32	22 0	23 1	24 2	25 2
7½	5 0	5 1	5 2	6 0	32½	22 2	23 2	24 3	26 0
8	5 2	5 3	6 0	6 1	33	22 3	24 0	25 1	26 1
8½	5 3	6 0	6 2	6 3	33½	23 1	24 1	25 2	26 3
9	6 1	6 2	6 3	7 0	34	23 2	24 3	26 0	27 1
9½	6 2	6 3	7 1	7 2	34½	23 3	25 0	26 1	27 2
10	6 3	7 1	7 2	8 0	35	24 1	25 2	26 3	28 0
10½	7 1	7 2	8 0	8 1	35½	24 2	25 3	27 0	28 1
11	7 2	8 0	8 1	8 3	36	25 0	26 1	27 2	28 3
11½	7 3	8 1	8 3	9 0	36½	25 1	26 2	27 3	29 1
12	8 1	8 3	9 0	9 2	37	25 2	26 3	28 1	29 2
12½	8 2	9 0	9 2	10 0	37½	26 0	27 1	28 2	30 0
13	9 0	9 1	9 3	10 1	38	26 1	27 2	29 0	30 1
13½	9 1	9 3	10 1	10 3	38½	26 2	28 0	29 1	30 3
14	9 2	10 0	10 2	11 0	39	27 0	28 1	29 3	31 1
14½	10 0	10 2	11 0	11 2	39½	27 1	28 3	30 0	31 2
15	10 1	10 3	11 1	12 0	40	27 3	29 0	30 2	32 0
15½	10 3	11 1	11 3	12 1	40½	28 0	29 2	31 0	32 2
16	11 0	11 2	12 1	12 3	41	28 1	29 3	31 1	32 3
16½	11 1	12 0	12 2	13 0	41½	28 3	30 1	31 3	33 1
17	11 3	12 1	13 0	13 2	42	29 0	30 2	32 0	33 2
17½	12 0	12 3	13 1	14 0	42½	29 2	31 0	32 2	34 0
18	12 2	13 0	13 3	14 1	43	29 3	31 1	32 3	34 2
18½	12 3	13 1	14 0	14 3	43½	30 0	31 2	33 1	34 3
19	13 0	13 3	14 2	15 0	44	30 2	32 0	33 2	35 1
19½	13 2	14 0	14 3	15 2	44½	30 3	32 1	34 0	35 2
20	13 3	14 2	15 1	16 0	45	31 1	32 3	34 1	36 0
20½	14 0	14 3	15 2	16 1	45½	31 2	33 0	34 2	36 2
21	14 2	15 1	16 0	16 3	46	31 3	33 2	35 0	36 3
21½	14 3	15 2	16 1	17 1	46½	32 1	33 3	35 2	37 1
22	15 1	16 0	16 3	17 2	47	32 2	34 1	35 3	37 2
22½	15 2	16 1	17 0	18 0	47½	32 3	34 2	36 1	38 0
23	15 3	16 3	17 2	18 1	48	33 1	35 0	36 3	38 2
23½	16 1	17 0	17 3	18 3	48½	33 2	35 1	37 0	38 3
24	16 2	17 2	18 1	19 1	49	34 0	35 3	37 2	39 1
24½	17 0	17 3	18 3	19 2	49½	34 1	36 0	37 3	39 2
25	17 1	18 0	19 0	20 0	50	34 2	36 1	38 1	40 0
25½	17 2	18 2	19 2	20 1					

Feet Long.	*Inches square.* 11		11¼		11½		11¾	
	F.	Q.	F	Q.	F.	Q.	F.	Q.
1	0	3	0	3	0	3	0	3
1½	1	1	1	1	1	1	1	1
2	1	2	1	3	1	3	1	3
2½	2	0	2	0	2	1	2	1
3	2	2	2	2	2	3	2	3
3½	2	3	3	0	3	0	3	1
4	3	1	3	2	3	2	3	3
4½	3	3	3	3	4	0	4	1
5	4	0	4	1	4	2	4	3
5½	4	2	4	3	5	0	5	1
6	5	0	5	1	5	2	5	3
6½	5	1	5	2	5	3	6	0
7	5	3	6	0	6	1	6	2
7½	6	1	6	2	6	3	7	0
8	6	2	7	0	7	1	7	2
8½	7	0	7	1	7	3	8	0
9	7	2	7	3	8	1	8	2
9½	7	3	8	1	8	2	9	0
10	8	1	8	3	9	0	9	2
10½	8	3	9	0	9	2	10	0
11	9	0	9	2	10	0	10	2
11½	9	2	10	0	10	2	11	0
12	10	0	10	2	11	0	11	2
12½	10	2	10	3	11	1	11	3
13	10	3	11	1	11	3	12	1
13½	11	1	11	3	12	1	12	3
14	11	3	12	1	12	3	13	1
14½	12	0	12	2	13	1	13	3
15	12	2	13	0	13	3	14	1
15½	13	0	13	2	14	0	14	3
16	13	1	14	0	14	2	15	1
16½	13	3	14	2	15	0	15	3
17	14	1	14	3	15	2	16	1
17½	14	2	15	1	16	0	16	3
18	15	0	15	3	16	2	17	1
18½	15	2	16	1	16	3	17	2
19	15	3	16	2	17	1	18	0
19½	16	1	17	0	17	3	18	2
20	16	3	17	2	18	1	19	0
20½	17	0	18	0	18	3	19	2
21	17	2	18	1	19	1	20	0
21½	18	0	18	3	19	2	20	2
22	18	1	19	1	20	0	21	0
22½	18	3	19	3	20	2	21	2
23	19	1	20	0	21	0	22	0
23½	19	2	20	2	21	2	22	2
24	20	0	21	0	22	0	23	0
24½	20	2	21	2	22	2	23	1
25	21	0	21	3	22	3	23	3
25½	21	1	22	1	23	1	24	1

Feet Long.	*Inches square.* 11		11¼		11½		11¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	21	3	22	3	23	3	24	3
26½	22	1	23	1	24	1	25	1
27	22	2	23	2	24	3	25	3
27½	23	0	24	0	25	1	26	1
28	23	2	24	2	25	2	26	3
28½	23	3	25	0	26	0	27	1
29	24	1	25	1	26	2	27	3
29½	24	3	25	3	27	0	28	1
30	25	0	26	1	27	2	28	3
30½	25	2	26	3	28	0	29	0
31	26	0	27	0	28	1	29	2
31½	26	1	27	2	28	3	30	0
32	26	3	28	0	29	1	30	2
32½	27	1	28	2	29	3	31	0
33	27	2	29	0	30	1	31	2
33½	28	0	29	1	30	3	32	0
34	28	2	29	3	31	0	32	2
34½	28	3	30	1	31	2	33	0
35	29	1	30	3	32	0	33	2
35½	29	3	31	0	32	2	34	0
36	30	1	31	2	33	0	34	2
36½	30	2	32	0	33	2	34	3
37	31	0	32	2	33	3	35	1
37½	31	2	32	3	34	1	35	3
38	31	3	33	1	34	3	36	1
38½	32	1	33	3	35	1	36	3
39	32	3	34	1	35	3	37	1
39½	33	0	34	2	36	1	37	3
40	33	1	35	0	36	2	38	1
40½	34	0	35	2	37	0	38	3
41	34	1	36	0	37	2	39	1
41½	34	3	36	1	38	0	39	3
42	35	1	36	3	38	2	40	1
42½	35	2	37	1	39	0	40	2
43	36	0	37	3	39	1	41	0
43½	36	2	38	0	39	3	41	2
44	36	3	38	2	40	1	42	0
44½	37	1	39	0	40	3	42	2
45	37	3	39	2	41	1	43	0
45½	38	0	39	3	41	3	43	2
46	38	2	40	1	42	0	44	0
46½	39	0	40	3	42	2	44	2
47	39	1	41	1	43	0	45	0
47½	39	3	41	2	43	2	45	2
48	40	1	42	0	44	0	46	0
48½	40	3	42	2	44	2	46	2
49	41	0	43	0	44	3	46	3
49½	41	2	43	2	45	1	47	1
50	42	0	43	3	45	3	47	3

Feet Long.	*Inches square.* 12	12¼	12½	12¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	1 0	1 0	1 0	1 0
1½	1 2	1 2	1 2	1 2
2	2 0	2 0	2 0	2 1
2½	2 2	2 2	2 2	2 3
3	3 0	3 0	3 1	3 1
3½	3 2	3 2	3 3	3 3
4	4 0	4 0	4 1	4 2
4½	4 2	4 2	4 3	5 0
5	5 0	5 0	5 1	5 2
5½	5 2	5 2	5 3	6 0
6	6 0	6 1	6 2	6 3
6½	6 2	6 3	7 0	7 1
7	7 0	7 1	7 2	7 3
7½	7 2	7 3	8 0	8 1
8	8 0	8 1	8 2	9 0
8½	8 2	8 3	9 0	9 2
9	9 0	9 1	9 3	10 0
9½	9 2	9 3	10 1	10 2
10	10 0	10 1	10 3	11 1
10½	10 2	10 3	11 1	11 3
11	11 0	11 1	11 3	12 1
11½	11 2	11 3	12 1	12 3
12	12 0	12 2	13 0	13 2
12½	12 2	13 0	13 2	14 0
13	13 0	13 2	14 0	14 2
13½	13 2	14 0	14 2	15 0
14	14 0	14 2	15 0	15 3
14½	14 2	15 0	15 2	16 1
15	15 0	15 2	16 1	16 3
15½	15 2	16 0	16 3	17 1
16	16 0	16 2	17 1	18 0
16½	16 2	17 0	17 3	18 2
17	17 0	17 2	18 1	19 0
17½	17 2	18 0	18 3	19 3
18	18 0	18 3	19 2	20 1
18½	18 2	19 1	20 0	20 3
19	19 0	19 3	20 2	21 1
19½	19 2	20 1	21 0	22 0
20	20 0	20 3	21 2	22 2
20½	20 2	21 1	22 0	23 0
21	21 0	21 3	22 3	23 2
21½	21 2	22 1	23 1	24 1
22	22 0	22 3	23 3	24 3
22½	22 2	23 1	24 1	25 1
23	23 0	23 3	24 3	25 3
23½	23 2	24 1	25 1	26 2
24	24 0	25 0	26 0	27 0
24½	24 2	25 2	26 2	27 2
25	25 0	26 0	27 0	28 0
25½	25 2	26 2	27 2	28 3

Feet Long.	*Inches square.* 12	12¼	12½	12¾
	F. Q	F. Q	F. Q	F. Q
26	26 0	27 0	28 0	29 1
26½	26 2	27 2	28 3	29 3
27	27 0	28 0	29 1	30 1
27½	27 2	28 2	29 3	31 0
28	28 0	29 0	30 1	31 2
28½	28 2	29 2	30 3	32 0
29	29 0	30 0	31 1	32 2
29½	29 2	30 2	32 0	33 1
30	30 0	31 1	32 2	33 3
30½	30 2	31 3	33 0	34 1
31	31 0	32 1	33 2	34 3
31½	31 2	32 3	34 0	35 0
32	32 0	33 1	34 2	36 0
32½	32 2	33 3	35 1	36 2
33	33 0	34 1	35 3	37 1
33½	33 2	34 3	36 1	37 3
34	34 0	35 1	36 3	38 1
34½	34 2	35 3	37 1	38 3
35	35 0	36 1	37 3	39 2
35½	35 2	35 3	38 2	40 0
36	36 0	37 2	39 0	40 2
36½	36 2	38 0	39 2	41 0
37	37 0	38 2	40 0	41 3
37½	37 2	39 0	40 2	42 1
38	38 0	39 2	41 0	42 3
38½	38 2	40 0	41 3	43 1
39	39 0	40 2	42 1	44 0
39½	39 2	41 0	42 3	44 2
40	40 0	41 2	43 1	45 0
40½	40 2	42 0	43 3	45 2
41	41 0	42 2	44 1	46 1
41½	41 2	43 0	45 0	46 3
42	42 0	43 3	45 2	47 1
42½	42 2	44 1	46 0	47 3
43	43 0	44 3	46 2	48 2
43½	43 2	45 1	47 0	49 0
44	44 0	45 3	47 2	49 2
44½	44 2	46 1	48 1	50 0
45	45 0	46 3	48 3	50 3
45½	45 2	47 1	49 1	51 1
46	46 0	47 3	49 3	51 3
46½	46 2	48 1	50 1	52 1
47	47 0	48 3	50 3	53 0
47½	47 2	49 1	51 2	53 2
48	48 0	50 0	52 0	54 0
48½	48 2	50 2	52 2	54 3
49	49 0	51 0	53 0	55 1
49½	49 2	51 2	53 2	55 3
50	50 0	52 0	54 1	56 1

Fee Long.	*Inches square.* 13	13¼	13½	13¾	Feet Long.	*nches square.* 13	13¼	13½	13¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	1 0	1 0	1 1	1 1	26	30 2	31 2	32 3	34 0
1½	1 3	1 3	1 3	1 3	26½	31 0	32 1	33 2	34 3
2	2 1	2 1	2 2	2 2	27	31 2	32 3	34 0	35 1
2½	2 3	3 0	3 0	3 1	27½	32 1	33 2	34 3	36 0
3	3 2	3 2	3 3	3 3	28	32 3	34 0	35 1	36 3
3½	4 0	4 1	4 1	4 2	28½	33 1	34 2	36 0	37 1
4	4 2	4 3	5 0	5 1	29	34 0	35 1	36 2	38 0
4½	5 1	5 1	5 2	5 3	29½	34 2	35 3	37 1	38 2
5	5 3	6 0	6 1	6 2	30	35 0	36 2	37 3	39 1
5½	6 1	6 2	6 3	7 0	30½	35 3	37 0	38 2	40 0
6	7 0	7 1	7 2	7 3	31	36 1	37 3	39 0	40 2
6½	7 2	7 3	8 0	8 2	31½	36 3	38 1	39 3	41 1
7	8 0	8 2	8 3	9 0	32	37 2	39 0	40 2	42 0
7½	8 3	9 0	9 1	9 3	32½	38 0	39 2	41 0	42 2
8	9 1	9 3	10 0	10 2	33	38 2	40 0	41 3	43 1
8½	9 3	10 1	10 3	11 0	33½	39 1	40 3	42 1	43 3
9	10 2	10 3	11 1	11 3	34	39 3	41 1	43 0	44 2
9½	11 0	11 2	12 0	12 1	34½	40 1	42 0	43 2	45 1
10	11 2	12 0	12 2	13 0	35	41 0	42 2	44 1	45 3
10½	12 1	12 3	13 1	13 3	35½	41 2	43 1	44 3	46 2
11	12 3	13 1	13 3	14 1	36	42 1	43 3	45 2	47 1
11½	13 1	14 0	14 2	15 0	36½	42 3	44 2	46 0	47 3
12	14 0	14 2	15 0	15 3	37	43 1	45 0	46 3	48 2
12½	14 2	15 0	15 3	16 1	37½	44 0	25 2	47 1	49 0
13	15 1	15 3	16 1	17 0	38	44 2	46 1	48 0	49 3
13½	15 3	16 1	17 0	17 2	38¼	45 0	46 3	48 2	50 2
14	16 1	17 0	17 2	18 1	39	45 3	47 2	49 1	51 0
14½	17 0	17 2	18 1	19 0	39½	46 1	48 0	49 3	51 3
15	17 2	18 1	18 3	19 2	40	46 3	48 3	50 2	52 2
15½	18 0	18 3	19 2	20 1	40½	47 2	49 1	51 1	53 0
16	18 3	19 2	20 1	21 0	41	48 0	49 3	51 3	53 3
16½	19 1	20 0	20 3	21 2	41½	48 2	50 2	52 2	54 1
17	19 3	20 2	21 2	22 1	42	49 1	51 0	53 0	55 0
17½	20 2	21 1	22 0	22 3	42¼	49 3	51 3	53 3	55 3
18	21 0	21 3	22 3	23 2	43	50 1	52 1	54 1	56 1
18½	21 2	22 2	23 1	24 1	43½	51 0	53 0	55 0	57 0
19	22 1	23 0	24 0	24 3	44	51 2	53 2	55 2	57 3
19½	22 3	23 3	24 2	25 2	44½	52 0	54 1	56 1	58 1
20	23 1	24 1	25 1	26 1	45	52 3	54 3	56 3	59 0
20½	24 0	24 3	25 3	26 3	45½	53 1	55 1	57 2	59 2
21	24 2	25 2	26 2	27 2	46	53 3	56 0	58 0	60 1
21½	25 0	26 0	27 0	28 0	46½	54 2	56 2	58 3	61 0
22	25 3	26 3	27 3	28 3	47	55 0	57 1	59 1	61 2
22½	26 1	27 1	28 1	29 2	47½	55 2	57 3	60 0	62 1
23	26 3	28 0	29 0	30 0	48	56 1	58 2	60 3	63 0
23½	27 2	28 2	29 2	30 3	48½	56 3	59 0	61 1	63 2
24	28 0	29 1	30 1	31 2	49	57 2	59 2	62 0	64 1
24½	28 3	29 3	31 0	32 0	49½	58 0	60 1	62 2	64 3
25	29 1	30 1	31 2	32 3	50	58 2	60 3	63 1	65 2
25½	29 3	31 0	32 1	33 1					

Feet Long.	Inches square. 14	14¼	14½	14¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	1 1	1 1	1 1	1 2
1½	2 0	2 0	2 0	2 1
2	2 2	2 3	2 3	3 0
2½	3 1	3 2	3 2	3 3
3	4 0	4 0	4 1	4 2
3½	4 3	4 3	5 0	5 1
4	5 1	5 2	5 3	6 0
4½	6 0	6 1	6 2	6 3
5	6 3	7 0	7 1	7 2
5½	7 1	7 3	8 0	8 1
6	8 0	8 1	8 3	9 0
6½	8 3	9 0	9 1	9 3
7	9 2	9 3	10 0	10 2
7½	10 0	10 2	10 3	11 1
8	10 3	11 1	11 2	12 0
8½	11 2	11 3	12 1	12 3
9	12 1	12 2	13 0	13 2
9½	12 3	13 1	13 3	14 1
10	13 2	14 0	14 2	15 0
10½	14 1	14 3	15 1	15 3
11	14 3	15 2	16 0	16 2
11½	15 2	16 0	16 3	17 1
12	16 1	16 3	17 2	18 0
12½	17 0	17 2	18 1	18 3
13	17 2	18 1	18 3	19 2
13½	18 1	19 0	19 2	20 1
14	19 0	19 2	20 2	21 0
14½	19 2	20 1	21 0	21 3
15	20 1	21 0	21 3	22 2
15½	21 0	21 3	22 2	23 1
16	21 3	22 2	23 1	24 0
16½	22 1	23 1	24 0	24 3
17	23 0	23 3	24 3	25 2
17½	23 3	24 2	25 2	26 1
18	24 2	25 1	26 1	27 0
18½	25 0	26 0	27 0	27 3
19	25 3	26 3	27 2	28 2
19½	26 2	27 1	28 1	29 1
20	27 0	28 0	29 0	30 0
20½	27 3	28 3	29 3	30 3
21	28 2	29 2	30 2	31 2
21½	29 1	30 1	31 1	32 1
22	29 3	31 1	32 0	33 0
22½	30 2	31 2	32 3	33 3
23	31 1	32 1	33 2	34 2
23½	31 3	33 0	34 1	35 2
24	32 2	33 3	35 0	36 1
24½	33 1	34 2	35 3	37 0
25	34 0	35 1	36 2	37 3
25½	34 2	35 3	37 0	38 2

Feet Long.	Inches square. 14	14¼	14½	14¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	35 1	36 2	37 3	39 1
26½	36 0	37 1	38 2	40 0
27	36 3	38 0	39 1	40 3
27½	37 1	38 3	40 0	41 2
28	38 0	39 1	40 3	42 1
28½	38 3	40 0	41 2	43 0
29	39 1	40 3	42 1	43 3
29½	40 0	41 2	43 0	44 2
30	40 3	42 1	43 3	45 1
30½	41 2	43 0	44 2	46 0
31	42 0	43 2	45 1	46 3
31½	42 3	44 1	45 3	47 2
32	43 2	45 0	46 2	48 1
32½	44 0	45 3	47 1	49 0
33	44 3	46 2	48 0	49 3
33½	45 2	47 0	48 3	50 2
34	46 1	47 3	49 2	51 1
34½	46 3	48 2	50 1	52 0
35	47 2	49 1	51 0	52 3
35½	48 1	50 0	51 3	53 2
36	49 0	50 3	52 2	54 1
36½	49 2	51 1	53 1	55 0
37	50 1	52 0	54 0	55 3
37½	51 0	52 3	54 3	56 2
38	51 2	53 2	55 1	57 1
38½	52 1	54 1	56 0	58 0
39	53 0	54 2	56 3	58 3
39½	53 3	55 1	57 2	59 2
40	54 1	56 1	58 1	60 1
40½	55 0	57 3	59 0	61 0
41	55 3	57 3	59 3	61 3
41½	56 1	58 2	60 2	62 2
42	57 0	59 0	61 1	63 1
42½	57 3	59 3	62 0	64 0
43	58 2	60 2	62 3	64 3
43½	59 0	61 1	63 2	65 2
44	59 3	62 0	64 0	66 1
44½	60 2	62 3	64 3	67 0
45	61 1	63 1	65 2	67 3
45½	61 3	64 0	66 1	68 2
46	62 2	64 3	67 0	69 1
46½	63 1	65 2	67 3	70 1
47	63 3	66 1	68 2	71 0
47½	64 2	66 3	69 1	71 3
48	65 1	67 2	70 0	72 2
48½	66 0	68 1	70 3	73 1
49	66 2	69 0	71 2	74 0
49½	67 1	69 3	72 1	74 3
50	68 0	70 2	73 0	75 2

Feet Long.	Inches square. 15	15¼	15½	15¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	1 2	1 2	1 2	1 2
1½	2 1	2 1	2 2	2 2
2	3 0	3 0	3 1	3 1
2½	3 3	4 0	4 0	4 1
3	4 2	4 3	5 0	5 0
3½	5 1	5 2	5 3	6 0
4	6 1	6 1	6 2	6 3
4½	7 0	7 1	7 2	7 3
5	7 3	8 0	8 1	8 2
5½	8 2	8 3	9 0	9 1
6	9 1	9 2	10 0	10 1
6½	10 0	10 1	10 3	11 0
7	10 3	11 1	11 2	12 0
7½	11 2	12 0	12 2	12 3
8	12 2	12 3	13 1	13 3
8½	13 1	13 2	14 0	14 2
9	14 0	14 2	15 0	15 2
9½	14 3	15 1	15 3	16 1
10	15 2	16 0	16 2	17 0
10½	16 1	16 3	17 2	18 0
11	17 0	17 3	18 1	18 3
11½	17 3	18 2	19 0	19 3
12	18 3	19 1	20 0	20 2
12½	19 2	20 0	20 3	21 2
13	20 1	20 3	21 2	22 1
13½	21 0	21 3	22 2	23 1
14	21 3	22 2	23 1	24 0
14½	22 2	23 1	24 0	24 3
15	23 1	24 0	25 0	25 3
15½	24 0	25 0	25 3	26 2
16	25 0	25 3	26 2	27 2
16½	25 3	26 2	27 2	28 1
17	26 2	27 1	28 1	29 1
17½	27 1	28 1	29 0	30 0
18	28 0	29 0	30 0	31 0
18½	28 3	29 3	30 3	31 3
19	29 2	30 2	31 2	32 2
19½	30 1	31 1	32 2	33 2
20	31 1	32 1	33 1	34 1
20½	32 0	33 0	34 0	35 1
21	32 3	33 3	35 0	36 0
21½	33 2	34 2	35 3	37 0
22	34 1	35 2	36 2	37 3
22½	35 0	36 1	37 2	38 3
23	35 3	37 0	38 1	39 2
23½	36 2	37 3	39 0	40 1
24	37 2	38 3	40 0	41 1
24½	38 1	39 2	40 3	42 0
25	39 0	40 1	41 2	43 0
25½	39 3	41 0	42 2	43 3

Feet Long.	Inches square. 15	15¼	15½	15¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	40 2	41 3	43 1	44 3
26½	41 1	42 3	44 0	45 2
27	42 0	43 2	45 0	46 2
27½	42 3	44 1	45 3	47 1
28	43 3	45 0	46 2	48 0
28½	44 2	46 0	47 2	49 0
29	45 1	46 3	48 1	49 3
29½	46 0	47 2	49 0	50 3
30	46 3	48 1	50 0	51 2
30½	47 2	49 1	50 3	52 2
31	48 1	50 0	51 2	53 1
31½	49 0	50 3	52 2	54 1
32	50 0	51 2	53 1	55 0
32½	50 3	52 1	54 0	55 3
33	51 2	53 1	55 0	56 3
33½	52 1	54 0	55 3	57 2
34	53 0	54 3	56 2	58 2
34½	53 3	55 2	57 2	59 1
35	54 2	56 2	58 1	60 1
35½	55 1	57 1	59 0	61 0
36	56 1	58 0	60 0	62 0
36½	57 0	58 3	60 3	62 3
37	57 3	59 3	61 2	63 2
37½	58 2	60 2	62 2	64 2
38	59 1	61 1	63 1	65 1
38½	60 0	62 0	64 0	66 1
39	60 3	62 3	65 0	67 0
39½	61 2	63 3	65 3	68 0
40	62 2	64 2	66 2	68 3
40½	63 1	65 1	67 2	69 3
41	64 0	66 0	68 1	70 2
41½	64 3	67 0	69 0	71 1
42	65 2	67 3	70 0	72 1
42½	66 1	68 2	70 3	73 0
43	67 0	69 1	71 2	74 0
43½	67 3	70 1	72 2	74 3
44	68 3	71 0	73 1	75 3
44½	69 2	71 3	74 0	76 2
45	70 1	72 2	75 0	77 2
45½	71 0	73 1	75 3	78 1
46	71 3	74 1	76 2	79 0
46½	72 2	75 0	77 2	80 0
47	73 1	75 3	78 1	80 3
47½	74 0	76 2	79 0	81 3
48	75 0	77 2	80 0	82 2
48½	75 3	78 1	80 3	83 2
49	76 2	79 0	81 3	84 1
49½	77 1	79 3	82 2	85 1
50	78 0	80 3	83 1	86 0

Feet Long.	*Inches square.*							
	16		16¼		16½		16¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	1	3	1	3	1	3	1	3
1½	2	2	2	3	2	3	2	3
2	3	2	3	2	3	3	3	3
2½	4	1	4	2	4	2	4	3
3	5	1	5	2	5	2	5	3
3½	6	0	6	1	6	2	6	3
4	7	0	7	1	7	2	7	3
4½	8	0	8	1	8	2	8	3
5	8	3	9	0	9	1	9	2
5½	9	3	10	0	10	1	10	2
6	10	2	11	0	11	1	11	2
6½	11	2	11	3	12	1	12	2
7	12	1	12	3	13	0	13	2
7½	13	1	13	3	14	0	14	2
8	14	0	14	2	15	0	15	2
8½	15	0	15	2	16	0	16	2
9	16	0	16	2	17	0	17	2
9½	16	3	17	1	17	3	18	2
10	17	3	18	1	18	3	19	1
10½	18	2	19	1	19	3	20	1
11	19	2	20	0	20	3	21	1
11½	20	1	21	0	21	2	22	1
12	21	1	22	0	22	2	23	1
12½	22	0	22	3	23	2	24	1
13	23	0	23	3	24	2	25	1
13½	24	0	24	3	25	2	26	1
14	24	3	25	2	26	1	27	1
14½	25	3	26	2	27	1	28	1
15	26	2	27	2	28	1	29	0
15½	27	2	28	1	29	1	30	0
16	28	1	29	1	30	1	31	0
16½	29	1	30	1	31	0	32	0
17	30	0	31	0	32	0	33	0
17½	31	0	32	0	33	0	34	0
18	32	0	33	0	34	0	35	0
18½	32	3	33	3	34	3	36	0
19	33	3	34	3	35	3	37	0
19½	34	2	35	3	36	3	37	3
20	35	2	36	2	37	3	38	3
20½	36	1	37	2	38	3	39	3
21	37	1	38	2	39	2	40	3
21½	38	0	39	1	40	2	41	3
22	39	0	40	1	41	2	42	3
22½	40	0	41	1	42	2	43	3
23	40	3	42	0	43	1	44	3
23½	41	3	43	0	44	1	45	3
24	42	2	44	0	45	1	46	3
24½	43	2	44	3	46	1	47	2
25	44	1	45	3	47	1	48	2
25½	45	1	46	3	48	0	49	2

Feet Long.	*Inches square.*							
	16		16¼		16½		16¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	46	0	47	2	49	0	50	2
26½	47	0	48	2	50	0	51	2
27	48	0	49	2	51	0	52	2
27½	48	3	50	1	51	3	53	2
28	49	3	51	1	52	3	54	2
28½	50	2	52	1	53	3	55	2
29	51	2	53	0	54	3	56	2
29½	52	1	54	0	55	3	57	1
30	53	1	55	0	56	2	58	1
30½	54	0	55	3	57	2	59	1
31	55	0	56	3	58	2	60	1
31½	56	0	57	3	59	2	61	1
32	56	3	58	2	60	2	62	1
32½	57	3	59	2	61	1	63	1
33	58	2	60	2	62	1	64	1
33½	59	2	61	1	63	1	65	1
34	60	1	62	1	64	1	66	0
34½	61	1	63	1	65	0	67	0
35	62	0	64	0	66	0	68	0
35½	63	0	65	0	67	0	69	0
36	64	0	66	0	68	0	70	0
36½	64	3	66	3	69	0	71	0
37	65	3	67	3	69	3	72	0
37½	66	2	68	3	70	3	73	0
38	67	2	69	2	71	3	74	0
38½	68	1	70	2	72	3	75	0
39	69	1	71	2	73	2	75	3
39½	70	0	72	1	74	2	76	3
40	71	0	73	1	75	2	77	3
40½	72	0	74	1	76	2	78	3
41	72	3	75	0	77	2	79	3
41½	73	3	76	0	78	1	80	3
42	74	2	77	0	79	1	81	3
42½	75	2	77	3	80	1	82	3
43	76	1	78	3	81	1	83	3
43½	77	1	79	3	82	0	84	3
44	78	0	80	2	83	0	85	2
44½	79	0	81	2	84	0	86	2
45	80	0	82	2	85	0	87	2
45½	80	3	83	1	86	0	88	2
46	81	3	84	1	86	3	89	2
46½	82	2	85	1	87	3	90	2
47	83	2	86	0	88	3	91	2
47½	84	1	87	0	89	3	92	2
48	85	1	88	0	90	3	93	2
48½	86	0	88	3	91	2	94	1
49	87	0	89	3	92	2	95	1
49½	88	0	90	3	93	2	96	1
50	88	3	91	2	94	2	97	1

Feet Long.	Inches square. 17	17¼	17½	17¾	Feet Long.	Inches square. 17	17¼	17½	17¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	2 0	2 0	2 0	2 0	26	52 0	53 2	55 1	56 3
1½	3 0	3 0	3 0	3 1	26½	53 0	54 3	56 1	57 3
2	4 0	4 0	4 1	4 1	27	54 0	55 3	57 1	59 0
2½	5 0	5 0	5 1	5 1	27½	55 0	56 3	58 1	60 0
3	6 0	6 0	6 1	6 2	28	56 0	57 3	59 2	61 1
3½	7 0	7 0	7 1	7 2	28½	57 0	58 3	60 2	62 1
4	8 0	8 1	8 2	8 3	29	58 0	59 3	61 2	63 1
4½	9 0	9 1	9 2	9 3	29½	59 0	60 3	62 2	64 2
5	10 0	10 1	10 2	10 3	30	60 0	61 3	63 3	65 2
5½	11 0	11 1	11 2	12 0	30½	61 0	63 0	64 3	66 2
6	12 0	12 1	12 3	13 0	31	62 0	64 0	65 3	67 3
6½	13 0	13 1	13 3	14 0	31½	63 0	65 0	66 3	68 3
7	14 0	14 1	14 3	15 1	32	64 0	66 0	68 0	70 0
7½	15 0	15 1	15 3	16 1	32½	65 0	67 0	69 0	71 0
8	16 0	16 2	17 0	17 2	33	66 0	68 0	70 0	72 0
8½	17 0	17 2	18 0	18 2	33½	67 0	69 0	71 0	73 1
9	18 0	18 2	19 0	19 2	34	68 0	70 1	72 1	74 1
9½	19 0	19 2	20 0	20 3	34½	69 0	71 1	73 1	75 1
10	20 0	20 2	21 1	21 3	35	70 0	72 1	74 1	76 2
10½	21 0	21 2	22 1	22 3	35½	71 0	73 1	75 1	77 2
11	22 0	22 2	23 1	24 0	36	72 1	74 1	76 2	78 3
11½	23 0	23 3	24 1	25 0	36½	73 1	75 1	77 2	79 3
12	24 0	24 3	25 2	26 1	37	74 1	76 1	78 2	80 3
12½	25 0	25 3	26 2	27 1	37½	75 1	77 1	79 3	82 0
13	26 0	26 3	27 2	28 1	38	76 1	78 2	80 3	83 0
13½	27 0	27 3	28 2	29 2	38½	77 1	79 2	81 3	84 0
14	28 0	28 3	29 3	30 2	39	78 1	80 2	82 3	85 1
14½	29 0	29 3	30 3	31 2	39½	79 1	81 2	84 0	86 1
15	30 0	30 3	31 3	32 3	40	80 1	82 2	85 0	87 2
15½	31 0	32 0	32 3	33 3	40½	81 1	83 2	85 0	88 2
16	32 0	33 0	34 0	35 0	41	82 1	84 2	87 0	89 2
16½	33 0	34 0	35 0	36 0	41½	83 1	85 3	88 1	90 3
17	34 0	35 0	36 0	37 0	42	84 1	86 3	89 1	91 3
17½	35 0	36 0	37 0	38 1	42½	85 1	87 3	90 1	92 3
18	36 0	37 0	38 1	39 1	43	86 1	88 3	91 1	94 0
18½	37 0	38 0	39 1	40 1	43½	87 1	89 3	92 2	95 0
19	38 0	39 1	40 1	41 2	44	88 1	90 3	93 2	96 1
19½	39 0	40 1	41 1	42 2	44½	89 1	91 3	94 2	97 1
20	40 0	41 1	42 2	43 3	45	90 1	92 3	95 2	98 1
20½	41 0	42 1	43 2	44 3	45½	91 1	94 0	96 3	99 2
21	42 0	43 1	44 2	45 3	46	92 1	95 0	97 3	100 2
21½	43 0	44 1	45 2	47 0	46½	93 1	96 0	98 3	101 2
22	44 0	45 1	46 3	48 0	47	94 1	97 0	99 3	102 3
22½	45 0	46 1	47 3	49 0	47½	95 1	98 0	101 0	103 3
23	46 0	47 2	48 3	50 1	48	96 1	99 0	102 0	105 0
23½	47 0	48 2	49 3	51 1	48½	97 1	100 0	103 0	106 0
24	48 0	49 2	51 0	52 2	49	98 1	101 1	104 0	107 0
24½	49 0	50 2	52 0	53 2	49½	99 1	102 1	105 1	108 1
25	50 0	51 2	53 0	54 2	50	100 1	103 1	106 1	109 1
25½	51 0	52 2	54 0	55 3					

Feet Long.	*Inches square.* 18	18¼	18½	18¾	Feet Long.	*Inches square.* 18	18¼	18½	18¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	2 1	2 1	2 1	2 1	26	58 2	60 0	61 3	63 1
1½	3 1	3 1	3 2	3 2	26½	59 2	61 1	62 3	64 2
2	4 2	4 2	4 3	4 3	27	60 3	62 1	64 0	65 3
2½	5 2	5 3	5 3	6 0	27½	61 3	63 2	65 1	67 0
3	6 3	6 3	7 0	7 1	28	63 0	64 3	66 2	68 1
3½	7 3	8 0	8 1	8 2	28½	64 0	65 3	67 2	69 2
4	9 0	9 1	9 2	9 3	29	65 1	67 0	68 3	70 3
4½	10 0	10 1	10 2	10 3	29½	66 1	68 0	70 0	72 0
5	11 1	11 2	11 3	12 0	30	67 2	69 1	71 1	73 0
5½	12 1	12 2	13 0	13 1	30½	68 2	70 2	72 1	74 1
6	13 2	13 3	14 1	14 2	31	69 3	71 2	73 2	75 2
6½	14 2	15 0	15 1	15 3	31½	70 3	72 3	74 3	76 3
7	15 3	16 0	16 2	17 0	32	72 0	74 0	76 0	78 0
7½	16 3	17 1	17 3	18 1	32½	73 0	75 0	77 0	79 1
8	18 0	18 2	19 0	19 2	33	74 1	76 1	78 1	80 2
8½	19 0	19 2	20 0	20 3	33½	75 1	77 1	79 2	81 3
9	20 1	20 3	21 1	21 3	34	76 2	78 2	80 3	83 0
9½	21 1	21 3	22 2	23 0	34½	77 2	79 3	81 3	84 0
10	22 2	23 0	23 3	24 1	35	78 3	80 3	83 0	85 1
10½	23 2	24 1	24 3	25 2	35½	79 3	82 0	84 1	86 2
11	24 3	25 1	26 0	26 3	36	81 0	83 1	85 2	87 3
11½	25 3	26 2	27 1	28 0	36½	82 0	84 1	86 3	89 0
12	27 0	27 3	28 2	29 1	37	83 1	85 2	87 3	90 1
12½	28 0	28 3	29 2	30 2	37½	84 1	86 2	89 0	91 2
13	29 1	30 0	30 3	31 2	38	85 2	87 3	90 1	92 3
13½	30 1	31 0	32 0	32 3	38½	86 2	89 0	91 2	93 3
14	31 2	32 1	33 1	34 0	39	87 3	90 0	92 2	95 0
14½	32 2	33 2	34 1	35 1	39½	88 3	91 1	93 3	96 1
15	33 3	34 2	35 2	36 2	40	90 0	92 2	95 0	97 2
15½	34 3	35 3	36 3	37 3	40½	91 0	93 2	96 1	98 3
16	36 0	37 0	38 0	39 0	41	92 1	94 3	97 1	100 0
16½	37 0	38 0	39 0	40 1	41½	93 1	95 3	98 2	101 1
17	38 1	39 1	40 1	41 2	42	94 2	97 0	99 3	102 2
17½	39 1	40 1	41 2	42 2	42½	95 2	98 1	101 0	103 3
18	40 2	41 2	42 3	43 3	43	96 3	99 1	102 0	104 3
18½	41 2	42 3	43 3	45 0	43½	97 3	100 2	103 1	106 0
19	42 3	43 3	45 0	46 1	44	99 0	101 3	104 2	107 1
19½	43 3	45 0	46 1	47 2	44½	100 0	102 3	105 3	108 2
20	45 0	46 1	47 2	48 3	45	101 1	104 0	106 3	109 3
20½	46 0	47 1	48 2	50 0	45½	102 1	105 0	108 0	111 0
21	47 1	48 2	49 3	51 1	46	103 2	106 1	109 1	112 1
21½	48 1	49 2	51 0	52 1	46½	104 2	107 2	110 2	113 2
22	49 2	50 3	52 1	53 2	47	105 3	108 2	111 2	114 2
22½	50 2	52 0	53 1	54 3	47½	106 3	109 3	112 3	115 3
23	51 3	53 0	54 2	56 0	48	108 0	111 0	114 0	117 0
23½	52 3	54 1	55 3	57 1	48½	109 0	112 0	115 1	118 1
24	54 0	55 2	57 0	58 2	49	110 1	113 1	116 1	119 2
24½	55 0	56 2	58 0	59 3	49½	111 1	114 1	117 2	120 3
25	56 1	57 3	59 1	61 0	50	112 2	115 2	118 3	122 0
25½	57 1	58 3	60 2	62 1					

Feet Long.	*Inches square.*				Feet Long.	*Inches square.*			
	19	19¼	19½	19¾		19	19¼	19½	19¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	2 2	2 2	2 2	2 2	26	65 0	66 3	68 2	70 1
1½	3 3	3 3	3 3	4 0	26½	66 1	68 0	69 3	71 3
2	5 0	5 0	5 1	5 1	27	67 2	69 1	71 1	73 0
2½	6 1	6 1	6 2	6 3	27½	68 3	70 3	72 2	74 1
3	7 2	7 2	7 3	8 0	28	70 0	72 0	73 3	75 3
3½	8 3	9 0	9 0	9 1	28½	71 1	73 1	75 1	77 0
4	10 0	10 1	10 2	10 3	29	72 2	74 2	76 2	78 2
4½	11 1	11 2	11 3	12 0	29½	73 3	75 3	77 3	79 3
5	12 2	12 3	13 0	13 2	30	75 0	77 0	79 0	81 1
5½	13 3	14 0	14 2	14 3	30½	76 1	78 1	80 2	82 2
6	15 0	15 1	15 3	16 1	31	77 2	79 3	81 3	83 3
6½	16 1	16 2	17 0	17 2	31½	78 3	81 0	83 0	85 1
7	17 2	18 0	18 1	18 3	32	80 0	82 1	84 2	86 2
7½	18 3	19 1	19 3	20 1	32½	81 1	83 2	85 3	88 0
8	20 0	20 2	21 0	21 2	33	82 2	84 3	87 0	89 1
8½	21 1	21 3	22 1	23 0	33½	83 3	86 0	88 1	90 2
9	22 2	23 0	23 3	24 1	34	85 0	87 1	89 3	92 2
9½	23 3	24 1	25 0	25 2	34½	86 1	88 3	91 0	93 1
10	25 0	25 2	26 1	27 0	35	87 2	90 0	92 1	94 3
10½	26 1	27 0	27 2	28 1	35½	88 3	91 1	93 2	96 0
11	27 2	28 1	29 0	29 3	36	90 1	92 2	95 0	97 2
11½	28 3	29 2	30 1	31 0	36½	91 2	93 3	96 1	98 3
12	30 0	30 3	31 2	32 2	37	92 3	95 0	97 2	100 0
12½	31 1	32 0	33 0	33 3	37½	94 0	96 2	99 0	101 2
13	32 2	33 1	34 1	35 0	38	95 1	97 3	100 1	102 3
13½	33 3	34 2	35 2	36 2	38½	96 2	99 0	101 2	104 1
14	35 0	36 0	36 3	37 3	39	97 3	100 1	102 3	105 2
14½	36 1	37 1	38 1	39 1	39½	99 0	101 2	104 1	106 3
15	37 2	38 2	39 2	40 2	40	100 1	102 3	105 2	108 1
15½	38 3	39 3	40 3	41 3	40½	101 2	104 0	106 3	109 2
16	40 0	41 0	42 1	43 1	41	102 3	105 2	108 1	111 0
16½	41 1	42 1	43 2	44 2	41½	104 0	106 3	109 2	112 1
17	42 2	43 2	44 3	46 0	42	105 1	108 0	110 3	113 3
17½	43 3	45 0	46 0	47 1	42½	106 2	109 1	112 0	115 0
18	45 0	46 1	47 2	48 3	43	107 3	110 2	113 2	116 1
18½	46 1	47 2	48 3	50 0	43½	109 0	111 3	114 3	117 3
19	47 2	48 3	50 0	51 1	44	110 1	113 0	116 0	119 0
19½	48 3	50 0	51 1	52 3	44½	111 2	114 2	117 2	120 2
20	50 0	51 1	52 3	54 0	45	112 3	115 3	118 3	121 3
20½	51 1	52 3	54 0	55 2	45½	114 0	117 0	120 0	123 0
21	52 2	54 0	55 1	56 3	46	115 1	118 1	121 1	124 2
21½	53 3	55 1	56 3	58 0	46½	116 2	119 2	122 3	125 3
22	55 0	56 2	58 0	59 2	47	117 3	120 3	124 0	127 1
22½	56 1	57 3	59 1	60 3	47½	119 0	122 0	125 1	128 2
23	57 2	59 0	60 2	62 1	48	120 1	123 2	126 3	130 0
23½	58 3	60 1	62 0	63 2	48½	121 2	124 3	128 0	131 1
24	60 0	61 3	63 1	65 0	49	122 3	126 0	129 1	132 2
24½	61 1	63 0	64 2	66 1	49½	124 0	127 1	130 2	134 0
25	62 2	64 1	66 0	67 2	50	125 1	128 2	132 0	135 1
25½	63 3	65 2	67 1	69 0					

Feet Long.	*Inches square.* 20	20¼	20½	20¾	Feet Long.	*Inches square.* 20	20¼	20½	20¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	2 3	2 3	2 3	2 3	26	72 0	74 0	75 3	77 2
1½	4 0	4 1	4 1	4 1	26½	73 2	75 1	77 1	79 0
2	5 2	5 2	5 3	5 3	27	75 0	76 3	78 3	80 2
2½	6 3	7 0	7 1	7 1	27½	76 1	78 1	80 1	82 0
3	8 1	8 2	8 3	8 3	28	77 3	79 2	81 2	83 2
3½	9 2	9 3	10 0	10 1	28½	79 0	81 0	83 0	85 0
4	11 0	11 1	11 2	11 3	29	80 2	82 2	84 2	86 2
4½	12 2	12 3	13 0	13 1	29½	81 3	84 0	86 0	88 0
5	13 3	14 0	14 2	14 3	30	83 1	85 1	87 2	89 2
5½	15 1	15 2	16 0	16 1	30½	84 2	86 3	89 0	91 0
6	16 2	17 0	17 2	17 3	31	86 0	88 1	90 1	92 2
6½	18 0	18 2	18 3	19 1	31½	87 2	89 2	91 3	94 0
7	19 1	19 3	20 1	20 3	32	88 3	91 0	93 1	95 2
7½	20 3	21 1	21 3	22 1	32½	90 1	92 2	94 3	97 0
8	22 0	22 3	23 1	23 3	33	91 2	93 3	96 1	98 2
8½	23 2	24 0	24 3	25 1	33½	93 0	95 1	97 3	100 0
9	25 0	25 2	26 1	26 3	34	94 1	96 3	99 0	101 2
9½	26 1	27 0	27 2	28 1	34½	95 3	98 0	100 2	103 0
10	27 3	28 1	29 0	29 3	35	97 0	99 2	102 0	104 2
10½	29 0	29 3	30 2	31 1	35½	98 2	101 0	103 2	106 0
11	30 2	31 1	32 0	32 3	36	100 0	102 2	105 0	107 2
11½	31 3	32 2	33 2	34 1	36½	101 1	103 3	106 2	109 0
12	33 1	34 0	35 0	35 3	37	102 3	105 1	107 3	110 2
12½	34 2	35 2	36 1	37 1	37½	104 0	106 3	109 1	112 0
13	36 0	37 0	37 3	38 3	38	105 2	108 0	110 3	113 2
13½	37 2	38 1	39 1	40 1	38½	106 3	109 2	112 1	115 0
14	38 3	39 3	40 3	41 3	39	108 1	111 0	113 3	116 2
14½	40 1	41 1	42 1	43 1	39½	109 2	112 1	115 1	118 0
15	41 2	42 2	43 3	44 3	40	111 0	113 3	116 2	119 2
15½	43 0	44 0	45 0	46 1	40½	112 2	115 1	118 0	121 0
16	44 1	45 2	46 2	47 3	41	113 3	116 3	119 2	122 2
16½	45 3	46 3	48 0	49 1	41½	115 1	118 0	121 0	124 0
17	47 0	48 1	49 2	50 3	42	116 2	119 2	122 2	125 2
17½	48 2	49 3	51 0	52 1	42½	118 0	121 0	124 0	127 0
18	50 0	51 1	52 2	53 3	43	119 1	122 1	125 1	128 2
18½	51 1	52 2	53 3	55 1	43½	120 3	123 3	126 3	130 0
19	52 3	54 0	55 1	56 3	44	122 0	125 1	128 1	131 2
19½	54 0	55 2	56 3	58 1	44½	123 2	126 2	129 3	133 0
20	55 2	56 3	58 1	59 3	45	125 0	128 0	131 1	134 2
20½	56 3	58 1	59 3	61 1	45½	126 1	129 2	132 3	136 0
21	58 1	59 3	61 1	62 3	46	127 3	130 3	134 0	137 2
21½	59 2	61 0	62 2	64 1	46½	129 0	132 1	135 2	139 0
22	61 0	62 2	64 0	65 3	47	130 2	133 3	137 0	140 2
22½	62 2	64 0	65 2	67 1	47½	131 3	135 1	138 2	142 0
23	63 3	65 1	67 0	68 3	48	133 1	136 2	140 0	143 2
23½	65 1	66 3	68 2	70 1	48½	134 2	138 0	141 2	145 0
24	66 2	68 1	70 0	71 3	49	136 0	139 2	143 0	146 2
24½	68 0	69 3	71 2	73 1	49½	137 2	140 3	144 1	148 0
25	69 1	71 0	72 3	74 3	50	138 3	142 1	145 3	149 2
25½	70 3	72 2	74 1	76 0					

Feet Long.	*Inches square.* 21	21¼	21½	21¾	Feet Long.	*Inches square.* 21	21¼	21½	21¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	3 0	3 0	3 0	3 1	26	79 2	81 2	83 1	85 1
1½	4 2	4 2	4 3	4 3	26½	81 0	83 0	85 0	87 0
2	6 0	6 1	6 1	6 2	27	82 2	84 2	86 2	88 2
2½	7 2	7 3	8 0	8 0	27½	84 0	86 0	88 1	90 1
3	9 0	9 1	9 2	9 3	28	85 3	87 3	89 3	91 3
3½	10 2	10 3	11 0	11 1	28½	87 1	89 1	91 1	93 2
4	12 1	12 2	12 3	13 0	29	88 3	90 3	93 0	95 1
4½	13 3	14 0	14 1	14 3	29½	90 1	92 2	94 2	96 3
5	15 1	15 2	16 0	16 1	30	91 3	94 0	96 1	98 2
5½	16 3	17 0	17 2	18 0	30½	93 1	95 2	97 3	100 0
6	18 1	18 3	19 1	19 2	31	94 3	97 0	99 2	101 3
6½	19 3	20 1	20 3	21 1	31½	96 1	98 3	101 0	103 1
7	21 1	21 3	22 1	22 3	32	98 0	100 1	102 2	105 0
7½	22 3	23 2	24 0	24 2	32½	99 2	101 3	104 1	106 3
8	24 2	25 0	25 2	26 1	33	101 0	103 1	105 3	108 1
8½	26 0	26 2	27 1	27 3	33½	102 2	105 0	107 2	110 0
9	27 2	28 0	28 3	29 2	34	104 0	106 2	109 0	111 2
9½	29 0	29 3	30 1	31 0	34½	105 2	108 0	110 2	113 1
10	30 2	31 1	32 0	32 3	35	107 0	109 3	112 1	114 3
10½	32 0	32 3	33 2	34 1	35½	108 2	111 1	113 3	116 2
11	33 2	34 1	35 1	36 0	36	110 1	112 3	115 2	118 1
11½	35 0	36 0	36 3	37 3	36½	111 3	114 1	117 0	119 3
12	36 3	37 2	38 2	39 1	37	113 1	116 0	118 3	121 2
12½	38 1	39 0	40 0	41 0	37½	114 3	117 2	120 1	123 0
13	39 3	40 3	41 2	42 2	38	116 1	119 0	121 3	124 3
13½	41 1	42 1	43 1	44 1	38½	117 3	120 2	123 2	126 1
14	42 3	43 3	44 3	45 3	39	119 1	122 1	125 0	128 0
14½	44 1	45 1	46 2	47 2	39½	120 3	123 3	126 3	129 3
15	45 3	47 0	48 0	49 1	40	122 2	125 1	128 1	131 1
15½	47 1	48 2	49 3	50 3	40½	124 0	127 0	130 0	133 0
16	49 0	50 0	51 1	52 2	41	125 2	128 2	131 2	134 2
16½	50 2	51 2	52 3	54 0	41½	127 0	130 0	133 0	136 1
17	52 0	53 1	54 2	55 3	42	128 2	131 2	134 3	137 3
17½	53 2	54 3	56 0	57 1	42½	130 0	133 1	136 1	139 2
18	55 0	56 1	57 3	59 0	43	131 2	134 3	138 0	141 1
18½	56 2	58 0	59 1	60 3	43½	133 0	136 1	139 2	142 3
19	58 0	59 2	60 3	62 1	44	134 3	137 3	141 0	144 2
19½	59 2	61 0	62 2	64 0	44½	136 1	139 2	142 3	146 0
20	61 1	62 2	64 0	65 2	45	137 3	141 0	144 1	147 3
20½	62 3	64 1	65 3	67 1	45½	139 1	142 2	146 0	149 1
21	64 1	65 3	67 1	68 3	46	140 3	144 0	147 2	151 0
21½	65 3	67 1	69 0	70 2	46½	142 1	145 3	149 1	152 3
22	67 1	68 3	70 2	72 1	47	143 3	147 1	150 3	154 1
22½	68 3	70 2	72 0	73 3	47½	145 1	148 3	152 1	156 0
23	70 1	72 0	73 3	75 2	48	147 0	150 2	154 0	157 2
23½	71 3	73 2	75 1	77 0	48½	148 2	152 0	155 2	159 1
24	73 2	75 1	77 0	78 3	49	150 0	153 2	157 1	160 3
24½	75 0	76 3	78 2	80 1	49½	151 2	155 0	158 3	162 2
25	76 2	78 1	80 1	82 0	50	153 0	156 3	160 2	164 1
25½	78 0	79 3	81 3	83 3					

Feet Long.	*Inches square.* 22	22¼	22½	22¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	3 1	3 1	3 2	3 2
1½	5 0	5 0	5 1	5 1
2	6 2	6 3	7 0	7 0
2½	8 1	8 2	8 3	8 3
3	10 0	10 1	10 2	10 3
3½	11 3	12 0	12 1	12 2
4	13 1	13 3	14 0	14 1
4½	15 0	15 1	15 3	16 0
5	16 3	17 0	17 2	17 3
5½	18 1	18 3	19 1	19 3
6	20 0	20 2	21 0	21 2
6½	21 3	22 1	22 3	23 1
7	23 2	24 0	24 2	25 0
7½	25 0	25 3	26 1	26 3
8	26 3	27 2	28 0	28 3
8½	28 2	29 0	29 3	30 2
9	30 1	30 3	31 2	32 1
9½	31 3	32 2	33 1	34 0
10	33 2	34 1	35 0	35 3
10½	35 1	36 0	36 3	37 2
11	36 3	37 3	38 2	39 2
11½	38 2	39 2	40 1	41 1
12	40 1	41 1	42 0	43 0
12½	42 0	42 3	43 3	44 3
13	43 2	44 2	45 2	46 2
13½	45 1	46 1	47 1	48 2
14	47 0	48 0	49 0	50 1
14½	48 2	49 3	50 3	52 0
15	50 1	51 2	52 2	53 3
15½	52 0	53 1	54 1	55 2
16	53 3	55 0	56 1	57 2
16½	55 1	56 2	58 0	59 1
17	57 0	58 1	59 3	61 0
17½	58 3	60 0	61 2	62 3
18	60 2	61 3	63 1	64 2
18½	62 0	63 2	65 0	66 1
19	63 3	65 1	66 3	68 1
19½	65 2	67 0	68 2	70 0
20	67 0	68 3	70 1	71 3
20½	68 3	70 1	72 0	73 2
21	70 2	72 0	73 3	75 1
21½	72 1	73 3	76 2	77 1
22	73 3	75 2	77 1	79 0
22½	75 2	77 1	79 0	80 3
23	77 1	79 0	80 3	82 2
23½	78 3	80 3	82 2	84 1
24	80 2	82 2	84 1	86 1
24½	82 1	84 0	86 0	88 0
25	84 0	85 3	87 3	89 3
25½	85 2	87 2	89 2	91 2

Feet Long.	*Inches square.* 22	22¼	22½	22¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	87 1	89 1	91 1	93 0
26½	89 0	91 0	93 0	95 1
27	90 3	92 3	94 3	97 0
27½	92 1	94 2	96 2	98 3
28	94 0	96 1	98 1	100 2
28½	95 3	97 3	100 0	102 1
29	97 1	99 2	101 3	104 0
29½	99 0	101 1	103 2	106 0
30	100 3	103 0	105 1	107 3
30½	102 2	104 3	107 0	109 2
31	104 0	106 2	108 3	111 1
31½	105 3	108 1	110 2	113 0
32	107 2	110 0	112 2	115 0
32½	109 1	111 2	114 1	116 3
33	110 3	113 1	116 0	118 2
33½	112 2	115 0	117 3	120 1
34	114 1	116 3	119 2	122 0
34½	115 3	118 2	121 1	123 3
35	117 2	120 1	123 0	125 3
35½	119 1	122 0	124 3	127 2
36	121 0	123 3	126 2	129 1
36½	122 2	125 1	128 1	131 0
37	124 1	127 0	130 0	132 3
37½	126 0	128 3	131 3	134 2
38	127 2	130 2	133 2	136 2
38½	129 1	132 1	135 1	138 1
39	131 0	134 0	137 0	140 0
39½	132 3	135 2	138 3	141 3
40	134 1	137 2	140 2	143 3
40½	136 0	139 0	142 1	145 2
41	137 3	140 3	144 0	147 1
41½	139 1	142 2	145 3	149 0
42	141 0	144 1	147 2	150 3
42½	142 3	146 0	149 1	152 2
43	144 2	147 3	151 0	154 2
43½	146 0	149 2	152 3	156 1
44	147 3	151 1	154 2	158 0
44½	149 2	152 3	156 1	159 3
45	151 1	154 2	158 0	161 2
45½	152 3	156 1	159 3	163 2
46	154 2	158 0	161 2	165 1
46½	156 1	159 3	163 1	167 0
47	157 3	161 2	165 0	168 3
47½	159 2	163 1	166 3	170 2
48	161 1	165 0	168 3	172 2
48½	163 0	166 2	170 2	174 1
49	164 2	168 1	172 1	176 0
49½	166 1	170 0	174 0	177 3
50	168 0	171 3	175 3	179 2

Feet Long.	*Inches square.* 23	23¼	23½	23¾	Feet Long.	*Inches square.* 23	23¼	23½	23¾
	F. Q.	F. Q.	F. Q.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	3 2	3 3	3 3	3 3	26	95 2	97 2	99 2	101 3
1½	5 2	5 2	5 3	5 3	26½	97 1	99 1	101 2	103 3
2	7 1	7 2	7 2	7 3	27	99 0	101 1	103 2	105 3
2½	9 0	9 1	9 2	9 3	27½	101 0	103 0	105 1	107 2
3	11 0	11 1	11 2	11 3	28	102 3	105 0	107 1	109 2
3½	12 3	13 0	13 1	13 2	28½	104 2	106 3	109 1	111 2
4	14 2	15 0	15 1	15 2	29	106 2	108 3	111 0	113 2
4½	16 2	16 3	17 1	17 2	29½	108 1	110 2	113 0	115 2
5	18 1	18 3	19 0	19 2	30	110 0	112 2	115 0	117 2
5½	20 0	20 2	21 0	21 2	30½	112 0	114 1	116 3	119 1
6	22 0	22 2	23 0	23 2	31	113 3	116 1	118 3	121 1
6½	23 3	24 1	24 3	25 1	31½	115 2	118 0	120 3	123 1
7	25 2	26 1	26 3	27 1	32	117 2	120 0	122 2	125 1
7½	27 2	28 0	28 3	29 1	32½	119 1	122 0	124 2	127 1
8	29 1	30 0	30 2	31 1	33	121 0	123 3	126 2	129 1
8½	31 0	31 3	32 2	33 1	33½	122 0	125 3	128 1	131 0
9	33 0	33 3	34 2	35 1	34	124 3	127 2	130 1	133 0
9½	34 3	35 2	36 1	37 0	34½	126 2	129 2	132 1	135 0
10	36 2	37 2	38 1	39 0	35	128 2	131 1	134 0	137 0
10½	38 2	39 1	40 1	41 0	35½	130 1	132 1	136 0	139 0
11	40 1	41 1	42 0	43 0	36	132 1	135 0	138 0	141 0
11½	42 0	43 0	44 0	45 0	36½	134 0	137 0	139 3	142 3
12	44 0	45 0	46 0	47 0	37	135 3	138 3	141 3	144 3
12½	45 3	46 3	47 3	48 3	37½	137 3	140 3	143 3	146 3
13	47 3	48 3	49 3	50 3	38	139 2	142 2	145 2	148 3
13½	49 2	50 2	51 3	52 3	38½	141 1	144 2	147 2	150 3
14	51 1	52 2	53 2	54 3	39	143 1	146 1	149 2	152 3
14½	53 1	54 1	55 2	56 3	39½	145 0	148 1	151 1	154 2
15	55 0	56 1	57 2	58 3	40	146 3	150 0	153 1	156 2
15½	56 3	58 0	59 1	60 2	40½	148 3	152 0	155 1	158 2
16	58 3	60 0	61 1	62 2	41	150 2	153 3	157 0	160 2
16½	60 2	61 3	63 1	64 2	41½	152 1	155 3	159 0	162 0
17	62 1	63 3	65 0	66 2	42	154 1	157 2	161 0	164 2
17½	64 1	65 2	67 0	68 2	42½	156 0	159 2	162 3	166 1
18	66 0	67 2	69 0	70 2	43	157 3	161 1	164 3	168 1
18½	67 3	69 1	70 3	72 1	43½	159 3	163 1	166 3	170 1
19	69 3	71 1	72 3	74 1	44	161 2	165 0	168 2	172 1
19½	71 2	73 0	74 3	76 1	44½	163 1	167 0	170 2	174 1
20	73 1	75 0	76 2	78 1	45	165 1	168 3	172 2	176 1
20½	75 1	76 3	78 2	80 1	45½	167 0	170 3	174 1	178 0
21	77 0	78 3	80 2	82 1	46	168 3	172 2	176 1	180 0
21½	78 3	80 2	82 1	84 0	46½	170 3	174 2	178 1	182 0
22	80 3	82 2	84 1	86 0	47	172 2	176 1	180 0	184 0
22½	82 2	84 1	86 1	88 0	47½	174 1	178 1	182 0	186 0
23	84 1	86 1	88 0	90 0	48	176 1	180 0	184 0	188 0
23½	86 1	88 0	90 0	92 0	48½	178 0	182 0	186 0	189 3
24	88 0	90 0	92 0	94 0	49	180 0	183 3	187 3	191 3
24½	90 0	91 3	93 3	95 3	49½	181 3	185 3	189 3	193 3
25	91 3	93 3	95 3	97 3	50	183 2	187 2	191 3	195 3
25½	93 2	95 2	97 3	99 3					

Feet Long.	Inches square. 24	24¼	24½	24¾	Feet Long.	Inches square. 24	24¼	24½	24¾
	F. Q.	F. Q.	Q. F.	F. Q.		F. Q.	F. Q.	F. Q.	F. Q.
1	4 0	4 0	4 0	4 1	26	104 0	106 0	108 1	110 2
1½	6 0	6 0	6 1	6 1	26½	106 0	108 0	110 1	112 2
2	8 0	8 0	8 1	8 2	27	108 0	110 1	112 2	114 3
2½	10 0	10 0	10 1	10 2	27½	110 0	112 1	114 2	116 3
3	12 0	12 1	12 2	12 3	28	112 0	114 1	116 2	119 0
3½	14 0	14 1	14 2	14 3	28½	114 0	116 1	118 3	121 0
4	16 0	16 1	16 2	17 0	29	116 0	118 1	120 3	123 1
4½	18 0	18 1	18 3	19 0	29½	118 0	120 1	122 3	125 1
5	20 0	20 1	20 3	21 1	30	120 0	122 2	125 0	127 2
5½	22 0	22 1	22 3	23 1	30½	122 0	124 2	127 0	129 2
6	24 0	24 2	25 0	25 2	31	124 0	126 2	129 0	131 3
6½	26 0	26 2	27 0	27 2	31½	126 0	128 2	131 1	133 3
7	28 0	28 2	29 0	29 3	32	128 0	130 2	133 1	136 0
7½	30 0	30 2	31 1	31 3	32½	130 0	132 2	135 1	138 1
8	32 0	32 2	33 1	34 0	33	132 0	134 3	137 2	140 1
8½	34 0	34 2	35 1	36 0	33½	134 0	136 3	139 2	142 2
9	36 0	36 3	37 2	38 1	34	136 0	138 3	141 2	144 2
9½	38 0	38 3	39 2	40 1	34½	138 0	140 3	143 3	146 3
10	40 0	40 3	41 2	42 2	35	140 0	142 3	145 3	148 3
10½	42 0	42 3	43 3	44 2	35½	142 0	144 3	147 3	151 0
11	44 0	44 3	45 3	46 3	36	144 0	147 0	150 0	153 0
11½	46 0	46 3	47 3	48 3	36½	146 0	149 0	152 0	155 1
12	48 0	49 0	50 0	51 0	37	148 0	151 0	154 0	157 1
12½	50 0	51 0	52 0	53 0	37½	150 0	153 0	156 1	159 2
13	52 0	53 0	54 0	55 1	38	152 0	155 0	158 1	161 2
13½	54 0	55 0	56 1	57 1	38½	154 0	157 0	160 1	163 3
14	56 0	57 0	58 1	59 2	39	156 0	159 1	162 2	165 3
14½	58 0	59 0	60 1	61 2	39½	158 0	161 1	164 2	168 0
15	60 0	61 1	62 2	63 3	40	160 0	163 1	166 2	170 0
15½	62 0	63 1	64 2	65 3	40½	162 0	165 1	168 3	72 1
16	64 0	65 1	66 2	68 0	41	164 0	167 1	170 3	74 1
16½	66 0	67 1	68 3	70 0	41½	166 0	169 1	172 3	76 2
17	68 0	69 1	70 3	72 1	42	168 0	171 2	175 0	78 2
17½	70 0	71 1	72 3	74 1	42½	170 0	173 2	177 0	180 3
18	72 0	73 2	75 0	76 2	43	172 0	175 2	179 0	182 3
18½	74 0	75 2	77 0	78 2	43½	174 0	177 2	181 1	185 0
19	76 0	77 2	79 0	80 3	44	176 0	179 2	183 1	187 0
19½	78 0	79 2	81 1	82 3	44½	178 0	181 2	185 1	189 1
20	80 0	81 2	83 1	85 0	45	180 0	183 3	187 2	191 1
20½	82 0	83 2	85 1	87 0	45½	182 0	185 3	189 2	193 2
21	84 0	85 3	87 2	89 1	46	184 0	187 3	191 2	195 2
21½	86 0	87 3	89 2	91 1	46½	186 0	189 3	193 3	197 3
22	88 0	89 3	91 2	93 2	47	188 0	191 3	195 3	199 3
22½	90 0	91 3	93 3	95 2	47½	190 0	193 3	197 3	202 0
23	92 0	93 3	95 3	97 3	48	192 0	196 2	200 0	204 0
23½	94 0	95 3	97 3	99 3	48½	194 0	198 0	202 0	206 1
24	96 0	98 0	100 0	102 0	49	196 0	200 0	204 0	208 1
24½	98 0	100 0	102 0	104 0	49½	198 0	202 0	206 1	210 2
25	100 0	102 0	104 0	106 1	50	200 0	204 0	208 1	212 2
25½	102 0	104 0	106 1	108 1					

Feet Long.	*Inches square.* 25	25¼	25½	25¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	4 1	4 1	4 2	4 2
1½	6 2	6 2	6 3	6 3
2	8 2	8 3	9 0	9 0
2½	10 3	11 0	11 1	11 2
3	13 0	13 1	13 2	13 3
3½	15 0	15 1	15 3	16 0
4	17 1	17 2	18 0	18 1
4½	19 2	19 3	20 1	20 2
5	21 2	22 0	22 2	23 0
5½	23 3	24 1	24 3	25 1
6	26 0	26 2	27 0	27 2
6½	28 0	28 3	29 1	29 3
7	30 1	30 3	31 2	32 0
7½	32 2	33 0	33 3	34 2
8	34 2	35 1	36 0	36 3
8½	36 3	37 2	38 1	39 0
9	39 0	39 3	40 2	41 1
9½	41 0	42 0	42 3	43 2
10	43 1	44 1	45 0	46 0
10½	45 2	46 1	47 1	48 1
11	47 2	48 2	49 2	50 2
11½	49 3	50 3	51 3	52 3
12	52 0	53 0	54 0	55 1
12½	54 1	55 1	56 1	57 2
13	56 1	57 2	58 2	59 3
13½	58 2	59 3	60 3	62 0
14	60 3	61 3	63 0	64 1
14½	62 3	64 0	65 1	66 3
15	65 0	66 1	67 2	69 0
15½	67 1	68 2	69 3	71 1
16	69 1	70 3	72 1	73 2
16½	71 2	73 0	74 2	75 3
17	73 3	75 1	76 3	78 1
17½	75 3	77 1	79 0	80 2
18	78 0	79 2	81 1	82 3
18½	80 1	81 3	83 2	85 0
19	82 1	84 0	85 3	87 1
19½	84 2	86 1	88 0	89 3
20	86 3	88 2	90 1	92 0
20½	88 3	90 3	92 2	94 1
21	91 0	92 3	94 3	96 2
21½	93 1	95 0	97 0	99 0
22	95 1	97 1	99 1	101 1
22½	97 2	99 2	101 2	103 2
23	99 3	101 3	103 3	105 3
23½	101 3	104 0	106 0	108 0
24	104 0	106 1	108 1	110 2
24½	106 1	108 1	110 2	112 3
25	108 2	110 2	112 3	115 0
25½	110 2	112 3	115 0	117 1

Feet Long.	*Inches square.* 25	25¼	25½	25¾
	F. Q.	F. Q	F. Q	F. Q.
26	112 3	115 0	117 1	119 2
26½	115 0	117 1	119 2	122 0
27	117 0	119 2	121 3	124 1
27½	119 1	121 3	124 0	126 2
28	121 2	123 3	126 1	128 3
28½	123 2	126 0	128 2	131 0
29	125 3	128 1	130 3	133 2
29½	128 0	130 2	133 0	135 3
30	130 0	132 3	135 1	138 0
30½	132 1	135 0	137 2	140 1
31	134 2	137 1	139 3	142 2
31½	136 2	139 1	142 0	145 0
32	138 3	141 2	144 2	147 1
32½	141 0	143 3	146 3	149 2
33	143 0	146 0	149 0	151 3
33½	145 1	148 1	151 1	154 1
34	147 2	150 2	153 2	156 2
34½	149 2	152 2	155 3	158 3
35	151 3	154 3	158 0	161 0
35½	154 0	157 0	160 1	163 1
36	156 1	159 1	162 2	165 3
36½	158 1	161 2	164 3	168 0
37	160 2	163 3	167 0	170 1
37½	162 3	166 0	169 1	172 2
38	164 3	168 0	171 2	174 3
38½	167 0	170 1	173 3	177 1
39	169 1	172 2	176 0	179 2
39½	171 1	174 3	178 1	181 3
40	173 2	177 0	180 2	184 0

Feet Long.	*Inches square.* 25	26¼	26½	26¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	4 2	4 3	4 3	4 3
1½	7 0	7 0	7 1	7 1
2	9 1	9 2	9 3	9 3
2½	11 2	11 3	12 0	12 1
3	14 0	14 1	14 2	14 3
3½	16 1	16 2	17 0	17 1
4	18 3	19 0	19 2	19 3
4½	21 0	21 2	21 3	22 1
5	23 1	23 3	24 1	24 3
5½	25 3	26 1	26 3	27 1
6	28 0	28 2	29 1	29 3
6½	30 2	31 0	31 2	32 1
7	32 3	33 1	34 0	34 3
7½	35 0	35 3	36 2	37 1
8	37 2	38 1	39 0	39 3
8½	39 3	40 2	41 1	42 0
9	42 1	43 0	43 3	44 2
9½	44 2	45 1	46 1	47 0
10	46 3	47 3	48 3	49 2
10½	49 0	50 0	51 0	52 0
11	51 2	52 2	53 2	54 2
11½	53 3	55 0	56 0	57 0
12	56 1	57 1	58 2	59 2
12½	58 2	59 3	60 3	62 0
13	61 0	62 0	63 1	64 2
13½	63 1	64 2	65 3	67 0
14	65 2	66 3	68 1	69 2
14½	68 0	69 1	70 2	72 0
15	70 1	71 3	73 0	74 2
15½	72 3	74 0	75 2	77 0
16	75 0	76 2	78 0	79 2
16½	77 2	78 3	80 1	81 3
17	79 3	81 1	82 3	84 1
17½	82 0	83 2	85 1	86 3
18	84 2	86 0	87 3	89 1
18½	86 3	88 2	90 0	91 3
19	89 0	90 3	92 2	94 1
19½	91 2	93 1	95 0	96 3
20	93 3	95 2	97 2	99 1
20½	96 0	98 0	99 3	101 3
21	98 2	100 1	102 1	104 1
21½	100 3	102 3	104 3	106 3
22	103 1	105 1	107 1	109 1
22½	105 2	107 2	109 2	111 3
23	107 3	110 0	112 0	114 1
23½	110 1	112 1	114 2	116 3
24	112 2	114 3	117 0	119 1
24½	115 0	117 0	119 1	121 2
25	117 1	119 2	121 3	124 0
25½	119 2	122 0	124 1	126 2

Feet Long.	*Inches square.* 26	26¼	26½	26¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	122 0	124 1	126 3	129 0
26½	124 1	126 3	129 0	131 2
27	126 3	129 0	131 2	134 0
27½	129 0	131 2	134 0	136 2
28	131 1	133 3	136 2	139 0
28½	133 3	136 1	138 3	141 2
29	136 0	138 3	141 1	144 0
29½	138 1	141 0	143 3	146 2
30	140 3	143 2	146 1	149 0
30½	143 0	145 3	148 2	151 2
31	145 2	148 1	151 0	154 0
31½	147 3	150 2	153 2	156 2
32	150 0	153 0	156 0	159 0
32½	152 2	155 2	158 1	161 1
33	154 3	157 3	160 3	163 3
33½	157 1	160 1	163 1	166 1
34	159 2	162 2	165 3	168 3
34½	161 3	165 0	168 0	171 1
35	164 1	167 1	170 2	173 3
35½	166 2	169 3	173 0	176 1
36	169 0	172 1	175 2	178 3
36½	171 1	174 2	178 0	181 1
37	173 2	177 0	180 1	183 3
37½	176 0	179 1	182 3	186 1
38	178 1	181 3	185 1	188 3
38½	180 2	184 0	187 3	191 1
39	183 0	186 2	190 0	193 3
39½	185 1	189 0	192 2	196 1
40	187 3	191 1	195 0	198 3

Feet Long.	Inches square. 27	27¼	27½	27¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	5 0	5 0	5 1	5 1
1½	7 2	7 2	7 3	8 0
2	10 0	10 1	10 2	10 2
2½	12 2	12 3	13 0	13 1
3	15 0	15 1	15 3	16 0
3½	17 2	18 0	18 1	18 2
4	20 1	20 2	21 0	21 1
4½	22 3	23 0	23 2	24 0
5	25 1	25 3	26 1	26 2
5½	27 3	28 1	28 3	29 2
6	30 1	30 3	31 2	32 0
6½	32 3	33 2	34 0	34 3
7	35 1	36 0	36 3	37 1
7½	37 3	38 2	39 1	40 0
8	40 2	41 1	42 0	42 3
8½	43 0	43 3	44 2	45 1
9	45 2	46 1	47 1	48 2
9½	48 0	48 3	49 3	50 3
10	50 2	51 2	52 2	53 1
10½	53 0	54 0	55 0	56 0
11	55 2	56 2	57 3	58 3
11½	58 0	59 1	60 1	61 1
12	60 3	61 3	63 0	64 0
12½	63 1	64 1	65 2	66 3
13	65 3	67 0	68 1	69 2
13½	68 1	69 2	70 3	72 0
14	70 3	72 0	73 2	74 3
14½	73 1	74 3	76 0	77 2
15	75 3	77 1	78 3	80 0
15½	78 1	79 3	81 1	82 3
16	81 0	82 2	84 0	85 2
16½	83 2	85 0	86 2	88 0
17	86 0	87 2	89 1	90 2
17½	88 2	90 0	91 3	93 2
18	91 0	92 3	94 2	96 1
18½	93 2	95 1	97 0	98 3
19	96 0	97 3	99 3	101 2
19½	98 2	100 2	102 1	104 1
20	101 1	103 0	105 0	106 3
20½	103 3	105 2	107 2	109 2
21	106 1	108 1	110 1	112 1
21½	108 3	110 3	112 3	114 3
22	111 1	113 1	115 2	117 2
22½	113 3	116 0	118 0	120 1
23	116 1	118 2	120 3	122 3
23½	118 3	121 0	123 1	125 2
24	121 2	123 3	126 0	128 1
24½	124 0	126 1	128 2	131 0
25	126 2	128 3	131 1	133 2
25½	129 0	131 1	133 3	136 1

Feet Long.	Inches square. 27	27¼	27½	27¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	131 2	134 0	136 2	139 0
26½	134 0	136 2	139 0	141 2
27	136 2	139 0	141 3	144 1
27½	139 0	141 3	144 1	147 0
28	141 3	144 1	147 0	149 2
28½	144 1	146 3	149 2	152 1
29	146 3	149 2	152 1	155 0
29½	149 1	152 0	154 3	157 3
30	151 3	154 2	157 2	160 1
30½	154 1	157 1	160 0	163 0
31	156 3	159 3	162 3	165 3
31½	159 1	162 1	165 1	168 1
32	162 0	165 0	168 0	171 0
32½	164 2	167 2	170 2	173 3
33	167 0	170 0	173 1	176 1
33½	169 2	172 2	175 3	179 0
34	172 0	175 1	178 2	181 3
34½	174 2	177 3	181 0	184 1
35	177 0	180 1	183 3	187 0
35½	179 2	183 0	186 1	189 3
36	182 1	185 2	189 0	192 2
36½	184 3	188 0	191 2	195 0
37	187 1	190 3	194 1	197 3
37½	189 3	193 1	196 3	200 2
38	192 1	195 3	199 2	203 0
38½	194 3	198 2	202 0	205 3
39	197 1	201 0	204 3	208 2
39½	199 3	203 2	207 1	211 0
40	202 1	206 1	210 0	213 3

Feet Long.	Inches square. 28	28¼	28½	28¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	5 1	5 2	5 2	5 2
1½	8 0	8 1	8 1	8 2
2	10 3	11 0	11 1	11 1
2½	13 2	13 3	14 0	14 1
3	16 1	16 2	16 3	17 0
3½	19 0	19 1	19 2	20 0
4	21 3	22 0	22 2	22 3
4½	24 2	24 3	25 1	25 3
5	27 0	27 2	28 0	28 2
5½	29 3	30 1	31 0	31 2
6	32 2	33 1	33 3	34 1
6½	35 1	36 0	36 2	37 1
7	38 0	38 3	39 1	40 0
7½	40 3	41 2	42 1	43 0
8	43 2	44 1	45 0	45 3
8½	46 1	47 0	47 3	48 3
9	49 0	49 3	50 3	51 2
9½	51 2	52 2	53 2	54 2
10	54 1	55 1	56 1	57 1
10½	57 0	58 0	59 0	60 1
11	59 3	60 3	62 0	63 0
11½	62 2	63 2	64 3	66 0
12	65 1	66 2	67 2	68 3
12½	68 0	69 1	70 2	71 3
13	70 3	72 0	73 1	74 2
13½	73 2	74 3	76 0	77 1
14	76 0	77 2	78 3	80 1
14½	78 3	80 1	81 3	83 0
15	81 2	83 0	84 2	86 0
15½	84 1	85 3	87 1	88 3
16	87 0	88 2	90 1	91 3
16½	89 3	91 1	93 0	94 2
17	92 2	94 0	95 3	97 2
17½	95 1	96 3	98 2	100 1
18	98 0	99 3	101 2	103 1
18½	100 2	102 2	104 1	106 0
19	103 1	105 1	107 0	109 0
19½	106 0	108 0	109 3	111 3
20	108 3	110 3	112 3	114 3
20½	111 2	113 2	115 2	117 2
21	114 1	116 1	118 1	120 2
21½	117 0	119 0	121 1	123 1
22	119 3	121 3	124 0	126 1
22½	122 2	124 2	126 3	129 0
23	125 0	127 1	129 2	132 0
23½	127 3	130 0	132 2	134 3
24	130 2	133 0	135 1	137 3
24½	133 1	135 3	138 0	140 2
25	136 0	138 2	141 0	143 2
25½	138 3	141 1	143 3	146 1

Feet Long.	Inches square. 28	28¼	28½	28¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	141 2	144 0	146 2	149 0
26½	144 1	145 3	149 1	152 0
27	147 0	149 2	152 1	154 3
27½	149 2	152 1	155 0	157 3
28	152 1	155 0	157 3	160 2
28½	155 0	157 3	160 3	163 2
29	157 3	160 2	163 2	166 1
29½	160 2	163 1	166 1	169 1
30	163 1	166 1	169 0	172 0
30½	166 0	169 0	172 0	175 0
31	168 3	171 3	174 3	177 3
31½	171 2	174 2	177 2	180 3
32	174 0	177 1	180 2	183 2
32½	176 3	180 0	183 1	186 2
33	179 2	182 3	186 0	189 1
33½	182 1	185 2	188 3	192 1
34	185 0	188 1	191 3	195 0
34½	187 3	191 0	194 2	198 0
35	190 2	193 3	197 1	200 3
35½	193 1	196 2	200 0	203 3
36	196 0	199 2	203 0	206 2
36½	198 2	202 1	205 3	209 2
37	201 1	205 0	208 2	212 1
37½	204 0	207 3	211 2	215 1
38	206 3	210 2	214 1	218 0
38½	209 2	213 1	217 0	220 3
39	212 1	216 0	219 3	223 3
39½	215 0	218 3	222 3	226 2
40	217 3	221 2	225 2	229 2

Feet Long.	*Inches square.* 29	29¼	29½	29¾
	F. Q.	F. Q.	F. Q.	F. Q.
1	5 3	5 3	6 0	6 0
1½	8 3	8 3	9 0	9 0
2	11 2	11 3	12 0	12 1
2½	14 2	14 3	15 0	15 1
3	17 2	17 3	18 0	18 1
3½	20 1	20 3	21 0	21 2
4	23 1	23 3	24 0	24 2
4½	26 1	26 2	27 0	27 2
5	29 0	29 2	30 0	30 2
5½	32 0	32 2	33 0	33 3
6	35 0	35 2	36 1	36 3
6½	37 3	38 2	39 1	39 3
7	40 3	41 2	42 1	43 0
7½	43 3	44 2	45 1	46 0
8	46 2	47 2	48 1	49 0
8½	49 2	50 2	51 1	52 0
9	52 2	53 1	54 1	55 1
9½	55 1	56 1	57 1	58 1
10	58 1	59 1	60 1	61 1
10½	61 1	62 1	63 1	64 2
11	64 0	65 1	66 1	67 2
11½	67 0	68 1	69 1	70 2
12	70 0	71 1	72 2	73 3
12½	73 0	74 1	75 2	76 3
13	75 3	77 0	78 2	79 3
13½	78 3	80 0	81 2	82 3
14	81 3	83 0	84 2	86 0
14½	84 2	86 0	87 2	89 0
15	87 2	89 0	90 2	92 0
15½	90 2	92 0	93 2	95 1
16	93 1	95 0	96 2	98 1
16½	96 1	98 0	99 2	101 1
17	99 1	101 0	102 2	104 1
17½	102 0	103 3	105 3	107 2
18	105 0	106 3	108 3	110 2
18½	108 0	109 3	111 3	113 2
19	110 3	112 3	114 3	116 3
19½	113 3	115 3	117 3	119 3
20	116 3	118 3	120 3	122 3
20½	119 2	121 3	123 3	125 3
21	122 2	124 3	126 3	129 0
21½	125 2	127 2	129 3	132 0
22	128 1	130 2	132 3	135 0
22½	131 1	133 2	135 3	138 1
23	134 1	136 2	138 3	141 1
23½	137 0	139 2	142 0	144 1
24	140 0	142 2	145 0	147 2
24½	143 0	145 2	148 0	150 2
25	146 0	148 2	151 0	153 2
25½	148 3	151 2	154 0	156 2

Feet Long.	*Inches square.* 29	29¼	29½	29¾
	F. Q.	F. Q.	F. Q.	F. Q.
26	151 3	154 1	157 0	159 3
26½	154 3	157 1	160 0	162 3
27	157 2	160 1	163 0	165 3
27½	160 2	163 1	166 0	169 0
28	163 2	166 1	169 0	172 0
28½	166 1	169 1	172 0	175 0
29	169 1	172 1	175 1	178 0
29½	172 1	175 1	178 1	181 1
30	175 0	178 0	181 1	184 1
30½	178 0	181 0	184 1	187 1
31	181 0	184 0	187 1	190 2
31½	183 3	187 0	190 1	193 2
32	186 3	190 0	193 1	196 2
32½	189 3	193 0	196 1	199 3
33	192 2	196 0	199 1	202 3
33½	195 2	199 0	202 1	205 3
34	198 2	202 0	205 1	208 3
34½	201 1	204 3	208 1	212 0
35	204 1	207 3	211 2	215 0
35½	207 1	210 3	214 2	218 0
36	210 1	213 3	217 2	221 1
36½	213 0	216 3	220 2	224 1
37	216 0	219 3	223 2	227 1
37½	219 0	222 3	226 2	230 1
38	221 3	225 3	229 2	233 2
38½	224 3	228 2	232 2	236 2
39	227 3	231 2	235 2	239 2
39½	230 2	234 2	238 2	242 3
40	233 2	237 2	241 2	245 3

Feet Long.	30		30½		31		31½		32		32½		33		33½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	6	1	6	1	6	2	6	3	7	0	7	1	7	2	7	3
1½	9	1	9	2	10	0	10	1	10	2	11	0	11	1	11	2
2	12	2	12	3	13	1	13	3	14	0	14	2	15	0	15	2
2½	15	2	16	0	16	2	17	0	17	3	18	1	18	3	19	1
3	18	3	19	1	20	0	20	2	21	1	22	0	22	2	23	1
3½	21	3	22	2	23	1	24	0	24	3	25	2	26	1	27	1
4	25	0	25	3	26	2	27	2	28	1	29	1	30	1	31	0
4½	28	0	29	0	30	0	31	0	32	0	33	0	34	0	35	0
5	31	1	32	1	33	1	34	1	35	2	36	2	37	3	38	3
5½	34	1	35	2	36	2	37	3	39	0	40	1	41	2	42	3
6	37	2	38	3	40	0	41	1	42	2	44	0	45	1	46	3
6½	40	2	41	3	43	1	44	3	46	0	47	2	49	0	50	2
7	43	3	45	0	46	2	48	0	49	3	51	1	52	3	54	2
7½	46	3	48	1	50	0	51	2	53	1	55	0	56	2	58	1
8	50	0	51	2	53	1	55	0	56	3	58	2	60	2	62	1
8½	53	0	54	3	56	2	58	2	60	1	62	1	64	1	66	0
9	56	1	58	0	60	0	62	0	64	0	66	0	68	0	70	0
9½	59	1	61	1	63	1	65	1	67	2	69	2	71	3	74	0
10	62	2	64	2	66	2	68	3	71	0	73	1	75	2	77	3
10½	65	2	67	3	70	0	72	0	74	2	77	0	79	1	81	3
11	68	3	71	0	73	1	75	2	78	0	80	2	83	0	85	2
11½	71	3	74	1	76	2	79	0	81	3	84	1	86	3	89	2
12	75	0	77	2	80	0	82	2	85	1	88	0	90	3	93	3

Feet Long.	34		34½		35		35½		36		36½		37		37½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	8	0	8	1	8	2	8	3	9	0	9	1	9	2	9	3
1½	12	0	12	1	12	3	13	0	13	2	13	3	14	1	14	2
2	16	0	16	2	17	0	17	2	18	0	18	2	19	0	19	2
2½	20	0	20	2	21	1	21	3	22	2	23	0	23	3	24	1
3	24	0	24	3	25	2	26	1	27	0	27	3	28	2	29	1
3½	28	0	28	3	29	3	30	2	31	2	32	1	33	1	34	0
4	32	0	33	0	34	0	35	0	36	0	37	0	38	0	39	0
4½	36	0	37	0	38	1	39	1	40	2	41	2	42	3	43	3
5	40	0	41	1	42	2	43	3	45	0	46	1	47	2	48	3
5½	44	0	45	1	46	3	48	0	49	2	50	3	52	1	53	2
6	48	0	49	2	51	0	52	2	54	0	55	2	57	0	58	2
6½	52	0	53	2	55	1	56	3	58	2	60	0	61	3	63	1
7	56	0	57	3	59	2	61	1	63	0	64	3	66	2	68	1
7½	60	0	61	3	63	3	65	2	67	2	69	1	71	1	73	0
8	64	0	66	0	68	0	70	0	72	0	74	0	76	0	78	0
8½	68	0	70	1	72	1	74	1	76	2	78	2	80	3	83	0
9	72	1	74	1	76	2	78	3	81	0	83	1	85	2	87	3
9½	76	1	78	2	80	3	83	0	85	2	87	3	90	1	92	3
10	80	1	82	2	85	0	87	2	90	0	92	2	95	0	97	2
10½	84	1	86	3	89	1	91	3	94	2	97	0	99	3	102	2
11	88	1	90	3	93	2	96	1	99	0	101	3	104	2	107	1
11½	92	1	95	0	97	3	100	2	103	2	106	1	109	1	112	1
12	96	1	99	0	102	0	105	0	108	0	111	0	114	0	117	0

Feet Long.	38		38½		39		39½		40		40½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q	F.	Q.	F.	Q.
1	10	0	10	1	10	2	10	3	11	0	11	1
1½	15	0	15	1	15	3	16	1	16	2	17	0
2	20	0	20	2	21	0	21	2	22	0	22	3
2½	25	0	25	2	26	1	27	0	27	3	28	1
3	30	0	30	3	31	2	32	2	33	1	34	0
3½	35	0	36	0	36	3	37	3	38	3	39	3
4	40	0	41	0	42	1	43	1	44	1	45	2
4½	45	0	46	1	47	2	48	3	50	0	51	1
5	50	0	51	1	52	3	54	0	55	2	56	3
5½	55	0	56	2	58	0	59	2	61	0	62	2
6	60	0	61	3	63	1	65	0	66	2	68	1
6½	65	0	66	3	68	2	70	1	72	1	74	0
7	70	0	72	0	73	3	75	3	77	3	79	2
7½	75	0	77	0	79	0	81	0	83	1	85	1
8	80	0	82	1	84	2	86	2	88	3	91	0
8½	85	0	87	1	89	3	92	0	94	1	96	3
9	90	1	92	2	95	0	97	2	100	0	102	2
9½	95	1	97	3	100	1	102	3	105	2	108	0
10	100	1	102	3	105	2	108	1	111	0	113	3
10½	105	1	108	0	110	3	113	2	116	3	119	2
11	110	1	113	0	116	0	119	0	122	1	125	1
11½	115	1	118	1	121	1	124	2	127	3	130	3
12	120	1	123	2	126	3	130	0	133	2	136	2

Feet Long.	41		41½		42	
	F.	Q	F.	Q.	F.	Q
1	11	2	11	3	12	1
1½	17	2	17	3	18	1
2	23	1	23	3	24	2
2½	29	0	29	3	30	2
3	35	0	35	3	36	3
3½	40	3	41	3	42	3
4	46	2	47	3	49	0
4½	52	2	53	3	55	0
5	58	1	59	3	61	1
5½	64	0	65	3	67	1
6	70	0	71	3	73	2
6½	75	3	77	3	79	2
7	81	2	83	2	85	3
7½	87	2	89	2	91	3
8	93	1	95	2	98	0
8½	99	0	101	2	104	0
9	105	0	107	2	110	1
9½	110	3	113	2	116	1
10	116	2	119	2	122	2
10½	122	2	125	2	128	2
11	128	1	131	2	134	3
11½	134	0	137	2	140	3
12	140	0	143	2	147	0

A TABLE,

SHEWING

The exact Price, per FOOT SOLID,

OF

ROUND TIMBER AT FIFTY, OR SQUARE AT FORTY FEET TO THE TON.

From 8*l.* down to 1*l.* 10*s.* per Ton.

PRICE per TON.	50 *Feet to the* ton, *per Foot solid.*			40 *Feet to the* ton, *per Foot solid.*		PRICE per TON.	50 *Feet to the* ton, *per Foot solid.*			40 *Feet to the* ton, *per Foot solid.*	
L.	*s.*	*d.*	10*th*	*s.*	*d.*	*L.*	*s.*	*d.*	10*th*	*s.*	*d.*
8 0 0	3	2	4	4	0	4 12 6	1	10	2	2	$3\frac{3}{4}$
7 17 6	3	1	8	3	$11\frac{1}{4}$	4 10 0	1	9	6	2	3
7 15 0	3	1	2	3	$10\frac{1}{2}$	4 7 6	1	9	0	2	$2\frac{1}{4}$
7 12 6	3	0	6	3	$9\frac{3}{4}$	4 5 0	1	8	4	2	$1\frac{1}{2}$
7 10 0	3	0	0	3	9	4 2 6	1	7	8	2	$0\frac{3}{4}$
7 7 6	2	11	4	3	$8\frac{1}{4}$	4 0 0	1	7	2	2	0
7 5 0	2	10	8	3	$7\frac{1}{2}$	3 17 6	1	6	6	1	$11\frac{1}{4}$
7 2 6	2	10	2	3	$6\frac{3}{4}$	3 15 0	1	6	0	1	$10\frac{1}{2}$
7 0 0	2	9	6	3	6	3 12 6	1	5	4	1	$9\frac{3}{4}$
6 17 6	2	9	0	3	$5\frac{1}{4}$	3 10 0	1	4	8	1	9
6 15 0	2	8	4	3	$4\frac{1}{2}$	3 7 6	1	4	2	1	$8\frac{1}{4}$
6 12 6	2	7	8	3	$3\frac{3}{4}$	3 5 0	1	3	6	1	$7\frac{1}{2}$
6 10 0	2	7	2	3	3	3 2 6	1	3	0	1	$6\frac{3}{4}$
6 7 6	2	6	6	3	$2\frac{1}{4}$	3 0 0	1	2	4	1	6
6 5 0	2	6	0	3	$1\frac{1}{2}$	2 17 6	1	1	8	1	$5\frac{1}{4}$
6 2 6	2	5	4	3	$0\frac{3}{4}$	2 15 0	1	1	2	1	$4\frac{1}{2}$
6 0 0	2	4	8	3	0	2 12 6	1	0	6	1	$3\frac{3}{4}$
5 17 6	2	4	2	2	$11\frac{1}{4}$	2 10 0	1	0	0	1	3
5 15 0	2	3	6	2	$10\frac{1}{2}$	2 7 6		11	4	1	$2\frac{1}{4}$
5 12 6	2	3	0	2	$9\frac{3}{4}$	2 5 0		10	8	1	$1\frac{1}{2}$
5 10 0	2	2	4	2	9	2 2 6		10	2	1	$0\frac{3}{4}$
5 7 6	2	1	8	2	$8\frac{1}{4}$	2 0 0		9	6	1	0
5 5 0	2	1	2	2	$7\frac{1}{2}$	1 17 6		9	0		$11\frac{1}{4}$
5 2 6	2	0	6	2	$6\frac{3}{4}$	1 15 0		8	4		$10\frac{1}{2}$
5 0 0	2	0	0	2	6	1 12 6		7	8		$9\frac{3}{4}$
4 17 6	1	11	4	2	$5\frac{1}{4}$	1 10 0		7	2		9
4 15 0	1	10	8	2	$4\frac{1}{2}$						

AN

EXPLANATION

OF THE FOREGOING

TABLES OF SOLID,

AND THE FOLLOWING OF

SUPERFICIAL MEASURE.

IN finding the Content of a Piece of Timber, Plank, or Board, *seek for your square in the* TABLES OF SOLID MEASURE, or *Breadth in the* TABLES OF SUPERFICIAL MEASURE which you have in numerical Order, at the Top of each Page; then cast your Eye down the Left-hand or first Column for your Length; after which, over against your Length, and under the Square of the Timber or Breadth of the Plank, you will find the Content in Feet and Quarters.

☞ It is to be observed, that these Tables extend 7 Feet longer than Mr. HOPPUS's London Edition, together with every Half Foot required from 1 to 50 Feet in Length, it being requisite in long Poland and Koningsberg Plank; whereas he only gives the half Foot at Bottom for the whole Page, which is not an exact Method.

Feet Long.	*Inches broad.* 3		3½	
	F.	Q.	F.	Q.
1	0	1	0	1
1½	0	1	0	1
2	0	2	0	2
2½	0	2	0	2
3	0	3	0	3
3½	0	3	1	0
4	1	0	1	0
4½	1	0	1	1
5	1	1	1	1
5½	1	1	1	2
6	1	2	1	3
6½	1	2	1	3
7	1	3	2	0
7½	1	3	2	0
8	2	0	2	1
8½	2	0	2	1
9	2	1	2	2
9½	2	1	2	3
10	2	2	2	3
10½	2	2	3	0
11	2	3	3	0
11½	2	3	3	1
12	3	0	3	2
12½	3	0	3	2
13	3	1	3	3
13½	3	1	3	3
14	3	2	4	0
14½	3	2	4	0
15	3	3	4	1
15½	3	3	4	2
16	4	0	4	2
16½	4	0	4	3
17	4	1	4	3
17½	4	1	5	0
18	4	2	5	1
18½	4	2	5	1
19	4	3	5	2
19½	4	3	5	2
20	5	0	5	3
20½	5	0	5	3
21	5	1	6	0
21½	5	1	6	1
22	5	2	6	1
22½	5	2	6	2
23	5	3	6	2
23½	5	3	6	3
24	6	0	7	0
24½	6	0	7	0
25	6	1	7	1
25½	6	1	7	1

Feet Long.	*Inches broad.* 3		3½	
	F.	Q.	F.	Q.
26	6	2	7	2
26½	6	2	7	2
27	6	3	7	3
27½	6	3	8	0
28	7	0	8	0
28½	7	0	8	1
29	7	1	8	1
29½	7	1	8	2
30	7	2	8	3
30½	7	2	8	3
31	7	3	9	0
31½	7	3	9	0
32	8	0	9	1
32½	8	0	9	1
33	8	1	9	2
33½	8	1	9	3
34	8	2	9	3
34½	8	2	10	0
35	8	3	10	0
35½	8	3	10	1
36	9	0	10	2
36½	9	0	10	2
37	9	1	10	3
37½	9	1	10	3
38	9	2	11	0
38½	9	2	11	0
39	9	3	11	1
39½	9	3	11	2
40	10	0	11	2
40½	10	0	11	3
41	10	1	11	3
41½	10	1	12	0
42	10	2	12	1
42½	10	2	12	1
43	10	3	12	2
43½	10	3	12	2
44	11	0	12	3
44½	11	0	12	3
45	11	1	13	0
45½	11	1	13	1
46	11	2	13	1
46½	11	2	13	2
47	11	3	13	2
47½	11	3	13	3
48	12	0	14	0
48½	12	0	14	0
49	12	1	14	1
49½	12	1	14	1
50	12	2	14	2

Feet Long.	*Inches broad.* 4		4½	
	F.	Q.	F.	Q.
1	0	1	0	1
1½	0	2	0	2
2	0	2	0	3
2½	0	3	0	3
3	1	0	1	0
3½	1	0	1	1
4	1	1	1	2
4½	1	2	1	2
5	1	2	1	3
5½	1	3	2	0
6	2	0	2	1
6½	2	0	2	1
7	2	1	2	2
7½	2	2	2	3
8	2	2	3	0
8½	2	3	3	0
9	3	0	3	1
9½	3	0	3	2
10	3	1	3	3
10½	3	2	3	3
11	3	2	4	0
11½	3	3	4	1
12	4	0	4	2
12½	4	0	4	2
13	4	1	4	3
13½	4	2	5	0
14	4	2	5	1
14½	4	3	5	1
15	5	0	5	2
15½	5	0	5	3
16	5	1	6	0
16½	5	2	6	0
17	5	2	6	1
17½	5	3	6	2
18	6	0	6	3
18½	6	0	6	3
19	6	1	7	0
19½	6	2	7	1
20	6	2	7	2
20½	6	3	7	2
21	7	0	7	3
21½	7	0	8	0
22	7	1	8	1
22½	7	2	8	1
23	7	2	8	2
23½	7	3	8	3
24	8	0	9	0
24½	8	0	9	0
25	8	1	9	1
25½	8	2	9	2

Feet Long.	*Inches broad.* 4		4½	
	F.	Q.	Q.	F.
26	8	2	9	3
26½	8	3	9	3
27	9	0	10	0
27½	9	0	10	1
28	9	1	10	2
28½	9	2	10	2
29	9	2	10	3
29½	9	3	11	0
30	10	0	11	1
30½	10	0	11	1
31	10	1	11	2
31½	10	2	11	3
32	10	2	12	0
32½	10	3	12	0
33	11	0	12	1
33½	11	0	12	2
34	11	1	12	3
34½	11	2	12	3
35	11	2	13	0
35½	11	3	13	1
36	12	0	13	2
36½	12	0	13	2
37	12	1	13	3
37½	12	2	14	0
38	12	2	14	1
38½	12	3	14	1
39	13	0	14	2
39½	13	0	14	3
40	13	1	15	0
40½	13	2	15	0
41	13	2	15	1
41½	13	3	15	2
42	14	0	15	3
42½	14	0	15	3
43	14	1	16	0
43½	14	2	16	1
44	14	2	16	2
44½	14	3	16	2
45	15	0	16	3
45½	15	0	17	0
46	15	1	17	1
46½	15	2	17	1
47	15	2	17	2
47½	15	3	17	3
48	16	0	18	0
48½	16	0	18	0
49	16	1	18	1
49½	16	2	18	2
50	16	2	18	3

Feet Long.	*Inches broad.* 5		5½	
	F.	Q.	F.	Q.
1	0	1	0	1
1½	0	2	0	2
2	0	3	0	3
2½	1	0	1	0
3	1	1	1	1
3½	1	1	1	2
4	1	2	1	3
4½	1	3	2	0
5	2	0	2	1
5½	2	1	2	2
6	2	2	2	3
6½	2	2	2	3
7	2	3	3	0
7½	3	0	3	1
8	3	1	3	2
8½	3	2	3	3
9	3	3	4	0
9½	3	3	4	1
10	4	0	4	2
10½	4	1	4	3
11	4	2	5	0
11½	4	3	5	1
12	5	0	5	2
12½	5	0	5	2
13	5	1	5	3
13½	5	2	6	0
14	5	3	6	1
14½	6	0	6	2
15	6	1	6	3
15½	6	1	7	0
16	6	2	7	1
16½	6	3	7	2
17	7	0	7	3
17½	7	1	8	0
18	7	2	8	1
18½	7	2	8	1
19	7	3	8	2
19½	8	0	8	3
20	8	1	9	0
20½	8	2	9	1
21	8	3	9	2
21½	8	3	9	3
22	9	0	10	0
22½	9	1	10	1
23	9	2	10	2
23½	9	3	10	3
24	10	0	11	0
24½	10	0	11	0
25	10	1	11	1
25½	10	2	11	2

Feet Long.	*Inches broad.* 5		5½	
	F.	Q.	F.	Q.
26	10	3	11	3
26½	11	0	12	0
27	11	1	12	1
27½	11	1	12	2
28	11	2	12	3
28½	11	3	13	0
29	12	0	13	1
29½	12	1	13	2
30	12	2	13	3
30½	12	2	13	3
31	12	3	14	0
31½	13	0	14	1
32	13	1	14	2
32½	13	2	14	3
33	13	3	15	0
33½	13	3	15	1
34	14	0	15	2
34½	14	1	15	3
35	14	2	16	0
35½	14	3	16	1
36	15	0	16	2
36½	15	0	16	2
37	15	1	16	3
37½	15	2	17	0
38	15	3	17	1
38½	16	0	17	2
39	16	1	17	3
39½	16	1	18	0
40	16	2	18	1
40½	16	3	18	2
41	17	0	18	3
41½	17	1	19	0
42	17	2	19	1
42½	17	2	19	1
43	17	3	19	2
43½	18	0	19	3
44	18	1	20	0
44½	18	2	20	1
45	18	3	20	2
45½	18	3	20	3
46	19	0	21	0
46½	19	1	21	1
47	19	2	21	2
47½	19	3	21	3
48	20	0	22	0
48½	20	0	22	0
49	20	1	22	1
49½	20	2	22	2
50	20	3	22	3

Feet Long.	Inches broad. 6		6½	
	F.	Q.	F.	Q.
1	0	2	0	2
1½	0	3	0	3
2	1	0	1	0
2½	1	1	1	1
3	1	2	1	2
3½	1	3	1	3
4	2	0	2	0
4½	2	1	2	1
5	2	2	2	2
5½	2	3	2	3
6	3	0	3	1
6½	3	1	3	2
7	3	2	3	3
7½	3	3	4	0
8	4	0	4	1
8½	4	1	4	2
9	4	2	4	3
9½	4	3	5	0
10	5	0	5	1
10½	5	1	5	2
11	5	2	5	3
11½	5	3	6	0
12	6	0	6	2
12½	6	1	6	3
13	6	2	7	0
13½	6	3	7	1
14	7	0	7	2
14½	7	1	7	3
15	7	2	8	0
15½	7	3	8	1
16	8	0	8	2
16½	8	1	8	3
17	8	2	9	0
17½	8	3	9	1
18	9	0	9	3
18½	9	1	10	0
19	9	2	10	1
19½	9	3	10	2
20	10	0	10	3
20½	10	1	11	0
21	10	2	11	1
21½	10	3	11	2
22	11	0	11	3
22½	11	1	12	0
23	11	2	12	1
23½	11	3	12	2
24	12	0	13	0
24½	12	1	13	1
25	12	2	13	2
25½	12	3	13	3

Feet Long.	Inches broad. 6		6½	
	F.	Q.	F.	Q.
26	13	0	14	0
26½	13	1	14	1
27	13	2	14	2
27½	13	3	14	3
28	14	0	15	0
28½	14	1	15	1
29	14	2	15	2
29½	14	3	15	3
30	15	0	16	1
30½	15	1	16	2
31	15	2	16	3
31½	15	3	17	0
32	16	0	17	1
32½	16	1	17	2
33	16	2	17	3
33½	16	3	18	0
34	17	0	18	1
34½	17	1	18	2
35	17	2	18	3
35½	17	3	19	0
36	18	0	19	2
36½	18	1	19	3
37	18	2	20	0
37½	18	3	20	1
38	19	0	20	2
38½	19	1	20	3
39	19	2	21	0
39½	19	3	21	1
40	20	0	21	2
40½	20	1	21	3
41	20	2	22	0
41½	20	3	22	1
42	21	0	22	3
42½	21	1	23	0
43	21	2	23	1
43½	21	3	23	2
44	22	0	23	3
44½	22	1	24	0
45	22	2	24	1
45½	22	3	24	2
46	23	0	24	3
46½	23	1	25	0
47	23	2	25	1
47½	23	3	25	2
48	24	0	26	0
48½	24	1	26	1
49	24	2	26	2
49½	24	3	26	3
50	25	0	27	0

Feet Long.	*Inches broad.* 7		7½		Feet Long.	*Inches broad.* 7		7½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	0	2	0	2	26	15	0	16	1
1½	0	3	0	3	26½	15	1	16	2
2	1	0	1	1	27	15	3	16	3
2½	1	1	1	2	27½	16	0	17	0
3	1	3	1	3	28	16	1	17	2
3½	2	0	2	0	28½	16	2	17	3
4	2	1	2	2	29	16	3	18	0
4½	2	2	2	3	29½	17	0	18	1
5	2	3	3	0	30	17	2	18	3
5½	3	0	3	1	30½	17	3	19	0
6	3	2	3	3	31	18	0	19	1
6½	3	3	4	0	31½	18	1	19	2
7	4	0	4	1	32	18	2	20	0
7½	4	1	4	2	32½	18	3	20	1
8	4	2	5	0	33	19	1	20	2
8½	4	3	5	1	33½	19	2	20	3
9	5	1	5	2	34	19	3	21	1
9½	5	2	5	3	34½	20	0	21	2
10	5	3	6	1	35	20	1	21	3
10½	6	0	6	2	35½	20	2	22	0
11	6	1	6	3	36	21	0	22	2
11½	6	2	7	0	36½	21	1	22	3
12	7	0	7	2	37	21	2	23	0
12½	7	1	7	3	37½	21	3	23	1
13	7	2	8	0	38	22	0	23	3
13½	7	3	8	1	38½	22	1	24	0
14	8	0	8	3	39	22	3	24	1
14½	8	1	9	0	39½	23	0	24	2
15	8	3	9	1	40	23	1	25	0
15½	9	0	9	2	40½	23	2	25	1
16	9	1	10	0	41	23	3	25	2
16½	9	2	10	1	41½	24	0	25	3
17	9	3	10	2	42	24	2	26	1
17½	10	0	10	3	42½	24	3	26	2
18	10	2	11	1	43	25	0	26	3
18½	10	3	11	2	43½	25	1	27	0
19	11	0	11	3	44	25	2	27	2
19½	11	1	12	0	44½	25	3	27	3
20	11	2	12	2	45	26	1	28	0
20½	11	3	12	3	45½	26	2	28	1
21	12	1	13	0	46	26	3	28	3
21½	12	2	13	1	46½	27	0	29	0
22	12	3	13	3	47	27	1	29	1
22½	13	0	14	0	47½	27	2	29	2
23	13	1	14	1	48	28	0	30	0
23½	13	2	14	2	48½	28	1	30	1
24	14	0	15	0	49	28	2	30	2
24½	14	1	15	1	49½	28	3	30	3
25	14	2	15	2	50	29	0	31	1
25½	14	3	15	3					

Feet Long.	*Inches broad.* 8		8½		Feet Long.	*Inches broad.* 8		8½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	0	2	0	2	26	17	1	18	1
1½	1	0	1	0	26½	17	2	18	3
2	1	1	1	1	27	18	0	19	0
2½	1	2	1	3	27½	18	1	19	1
3	2	0	2	0	28	18	2	19	3
3½	2	1	2	1	28½	19	0	20	0
4	2	2	2	3	29	19	1	20	2
4½	3	0	3	0	29½	19	2	20	3
5	3	1	3	2	30	20	0	21	1
5½	3	2	3	3	30½	20	1	21	2
6	4	0	4	1	31	20	2	21	3
6½	4	1	4	2	31½	21	0	22	1
7	4	2	4	3	32	21	1	22	2
7½	5	0	5	1	32½	21	2	23	0
8	5	1	5	2	33	22	0	23	1
8½	5	2	6	0	33½	22	1	23	2
9	6	0	6	1	34	22	2	24	0
9½	6	1	6	2	34½	23	0	24	1
10	6	2	7	0	35	23	1	24	3
10½	7	0	7	1	35½	23	2	25	0
11	7	1	7	3	36	24	0	25	2
11½	7	2	8	0	36½	24	1	25	3
12	8	0	8	2	37	24	2	26	0
12½	8	1	8	3	37½	25	0	26	2
13	8	2	9	0	38	25	1	26	3
13½	9	0	9	2	38½	25	2	27	1
14	9	1	9	3	39	26	0	27	2
14½	9	2	10	1	39½	26	1	27	3
15	10	0	10	2	40	26	2	28	1
15½	10	1	10	3	40½	27	0	28	2
16	10	2	11	1	41	27	1	29	0
16½	11	0	11	2	41½	27	2	29	1
17	11	1	12	0	42	28	0	29	3
17½	11	2	12	1	42½	28	1	30	0
18	12	0	12	3	43	28	2	30	1
18½	12	1	13	0	43½	29	0	30	3
19	12	2	13	1	44	29	1	31	0
19½	13	0	13	3	44½	29	2	31	2
20	13	1	14	0	45	30	0	31	3
20½	13	2	14	2	45½	30	1	32	0
21	14	0	14	3	46	30	2	32	2
21½	14	1	15	0	46½	31	0	32	3
22	14	2	15	2	47	31	1	33	1
22½	15	0	15	3	47½	31	2	33	2
23	15	1	16	1	48	32	0	34	0
23½	15	2	16	2	48½	32	1	34	1
24	16	0	17	0	49	32	2	34	2
24½	16	1	17	1	49½	33	0	35	0
25	16	2	17	2	50	33	1	35	1
25½	17	0	18	0					

Feet Long.	*Inches broad.* 9		9½		Feet Long.	*Inches broad.* 9		9½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	0	3	0	3	26	19	2	20	2
1½	1	0	1	0	26½	19	3	20	3
2	1	2	1	2	27	20	1	21	1
2½	1	3	1	3	27½	20	2	21	3
3	2	1	2	1	28	21	0	22	0
3½	2	2	2	3	28½	21	1	22	2
4	3	0	3	0	29	21	3	22	3
4½	3	1	3	2	29½	22	0	23	1
5	3	3	3	3	30	22	2	23	3
5½	4	0	4	1	30½	22	3	24	0
6	4	2	4	3	31	23	1	24	2
6½	4	3	5	0	31½	23	2	24	3
7	5	1	5	2	32	24	0	25	1
7½	5	2	5	3	32½	24	1	25	2
8	6	0	6	1	33	24	3	26	0
8½	6	1	6	2	33½	25	0	26	2
9	6	3	7	0	34	25	2	26	3
9½	7	0	7	2	34½	25	3	27	1
10	7	2	7	3	35	26	1	27	2
10½	7	3	8	1	35½	26	2	28	0
11	8	1	8	2	36	27	0	28	2
11½	8	2	9	0	36½	27	1	28	3
12	9	0	9	2	37	27	3	29	1
12½	9	1	9	3	37½	28	0	29	2
13	9	3	10	1	38	28	2	30	0
13½	10	0	10	2	38½	28	3	30	1
14	10	2	11	0	39	29	1	30	3
14½	10	3	11	1	39½	29	2	31	1
15	11	1	11	3	40	30	0	31	2
15½	11	2	12	1	40½	30	1	32	0
16	12	0	12	2	41	30	3	32	1
16½	12	1	13	0	41½	31	0	32	3
17	12	3	13	1	42	31	2	33	1
17½	13	0	13	3	42½	31	3	33	2
18	13	2	14	1	43	32	1	34	0
18½	13	3	14	2	43½	32	2	34	1
19	14	1	15	0	44	33	0	34	3
19½	14	2	15	1	44½	33	1	35	0
20	15	0	15	3	45	33	3	35	2
20½	15	1	16	0	45½	34	0	36	0
21	15	3	16	2	46	34	2	36	1
21½	16	0	17	0	46½	34	3	36	3
22	16	2	17	1	47	35	1	37	0
22½	16	3	17	3	47½	35	2	37	2
23	17	1	18	0	48	36	0	38	0
23½	17	2	18	2	48½	36	1	38	1
24	18	0	19	0	49	36	3	38	3
24½	18	1	19	1	49½	37	0	39	0
25	18	3	19	3	50	37	2	39	2
25½	19	0	20	0					

Feet Long.	*Inches broad.* 10		10½	
	F.	Q.	F.	Q.
1	0	3	0	3
1½	1	1	1	1
2	1	2	1	3
2½	2	0	2	0
3	2	2	2	2
3½	2	3	3	0
4	3	1	3	2
4½	3	3	3	3
5	4	0	4	1
5½	4	2	4	3
6	5	0	5	1
6½	5	1	5	2
7	5	3	6	0
7½	6	1	6	2
8	6	2	7	0
8½	7	0	7	1
9	7	2	7	3
9½	7	3	8	1
10	8	1	8	3
10½	8	3	9	0
11	9	0	9	2
11½	9	2	10	0
12	10	0	10	2
12½	10	1	10	3
13	10	3	11	1
13½	11	1	11	3
14	11	2	12	1
14½	12	0	12	2
15	12	2	13	0
15½	12	3	13	2
16	13	1	14	0
16½	13	3	14	1
17	14	0	14	3
17½	14	2	15	1
18	15	0	15	3
18½	15	1	16	0
19	15	3	16	2
19½	16	1	17	0
20	16	2	17	2
20½	17	0	17	3
21	17	2	18	1
21½	17	3	18	3
22	18	1	19	1
22½	18	3	19	2
23	19	0	20	0
23½	19	2	20	2
24	20	0	21	0
24½	20	1	21	1
25	20	3	21	3
25½	21	1	22	1

Feet Long	*Inches broad.* 10		10½	
	F.	Q.	F.	Q.
26	21	2	22	3
26½	22	0	23	0
27	22	2	23	2
27½	22	3	24	0
28	23	1	24	2
28½	23	3	24	3
29	24	0	25	1
29½	24	2	25	3
30	25	0	26	1
30½	25	1	26	2
31	25	3	27	0
31½	26	1	27	2
32	26	2	28	0
32½	27	0	28	1
33	27	2	28	3
33½	27	3	29	1
34	28	1	29	3
34½	28	3	30	0
35	29	0	30	2
35½	29	2	31	0
36	30	0	31	2
36½	30	1	31	3
37	30	3	32	1
37½	31	1	32	3
38	31	2	33	1
38½	32	0	33	2
39	32	2	34	0
39½	32	3	34	2
40	33	1	35	0
40½	33	3	35	1
41	34	0	35	3
41½	34	2	36	1
42	35	0	36	3
42½	35	1	37	0
43	35	3	37	2
43½	36	1	38	0
44	36	2	38	2
44½	37	0	38	3
45	37	2	39	1
45½	37	3	39	3
46	38	1	40	1
46½	38	3	40	2
47	39	0	41	0
47½	39	2	41	2
48	40	0	42	0
48½	40	1	42	1
49	40	3	42	3
49½	41	1	43	1
50	41	2	43	3

Feet Long.	*Inches broad.* 11		11½	
	F	Q.	F.	Q.
1	0	3	0	3
1½	1	1	1	1
2	1	3	1	3
2½	2	1	2	1
3	2	3	2	3
3½	3	0	3	1
4	3	2	3	3
4½	4	0	4	1
5	4	2	4	3
5½	5	0	5	1
6	5	2	5	3
6½	5	3	6	0
7	6	1	6	2
7½	6	3	7	0
8	7	1	7	2
8½	7	3	8	0
9	8	1	8	2
9½	8	2	9	0
10	9	0	9	2
10½	9	2	10	0
11	10	0	10	2
11½	10	2	11	0
12	11	0	11	2
12½	11	1	11	3
13	11	3	12	1
13½	12	1	12	3
14	12	3	13	1
14½	13	1	13	3
15	13	3	14	1
15½	14	0	14	3
16	14	2	15	1
16½	15	0	15	3
17	15	2	16	1
17½	16	0	16	3
18	16	2	17	1
18½	16	3	17	2
19	17	1	18	0
19½	17	3	18	2
20	18	1	19	0
20½	18	3	19	2
21	19	1	20	0
21½	19	2	20	2
22	20	0	21	0
22½	20	2	21	2
23	21	0	22	0
23½	21	2	22	2
24	22	0	23	0
24½	22	1	23	1
25	22	3	23	3
25½	23	1	24	1

Feet Long.	*Inches broad.* 11		11¼	
	F.	Q.	F.	Q.
26	23	3	24	3
26½	24	1	25	1
27	24	3	25	3
27½	25	0	26	1
28	25	2	26	3
28½	26	0	27	1
29	26	2	27	3
29½	27	0	28	1
30	27	2	28	3
30½	27	3	29	0
31	28	1	29	2
31½	28	3	30	0
32	29	1	30	2
32½	29	3	31	0
33	30	1	31	2
33½	30	2	32	0
34	31	0	32	2
34½	31	2	33	0
35	32	0	33	2
35½	32	2	34	0
36	33	0	34	2
36½	33	1	34	2
37	33	3	35	1
37½	34	1	35	3
38	34	3	36	1
38½	35	1	36	3
39	35	3	37	1
39½	36	0	37	3
40	36	2	38	1
40½	37	0	38	3
41	37	2	39	1
41½	38	0	39	3
42	38	2	40	1
42½	38	3	40	2
43	39	1	41	0
43½	39	3	41	2
44	40	1	42	0
44½	40	3	42	2
45	41	1	43	0
45½	41	2	43	2
46	42	0	44	0
46½	42	2	44	2
47	43	0	45	0
47½	43	2	45	2
48	44	0	46	0
48½	44	1	46	1
49	44	3	46	3
49½	45	1	47	1
50	45	3	47	3

Feet Long.	*Inches broad.* 12		12½		Feet Long.	*Inches broad.* 12		12½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	0	1	0	26	26	0	27	0
1½	1	2	1	2	26½	26	2	27	2
2	2	0	2	0	27	27	0	28	0
2½	2	2	2	2	27½	27	2	28	2
3	3	0	3	0	28	28	0	29	0
3½	3	2	3	2	28½	28	2	29	2
4	4	0	4	0	29	29	0	30	0
4½	4	2	4	2	29½	29	2	30	2
5	5	0	5	0	30	30	0	31	1
5½	5	2	5	2	30½	30	2	31	3
6	6	0	6	1	31	31	0	32	1
6½	6	2	6	3	31½	31	2	32	3
7	7	0	7	1	32	32	0	33	1
7½	7	2	7	3	32½	32	2	33	3
8	8	0	8	1	33	33	0	34	1
8½	8	2	8	3	33½	33	2	34	3
9	9	0	9	1	34	34	0	35	1
9½	9	2	9	3	34½	34	2	35	3
10	10	0	10	1	35	35	0	36	1
10½	10	2	10	3	35½	35	2	36	3
11	11	0	11	1	36	36	0	37	2
11½	11	2	11	3	36½	36	2	38	0
12	12	0	12	2	37	37	0	38	2
12½	12	2	13	0	37½	37	2	39	0
13	13	0	13	2	38	38	0	39	2
13½	13	2	14	0	38½	38	2	40	0
14	14	0	14	2	39	39	0	40	2
14½	14	2	15	0	39½	39	2	41	0
15	15	0	15	2	40	40	0	41	2
15½	15	2	15	0	40½	40	2	42	0
16	16	0	16	2	41	41	0	42	2
16½	16	2	17	0	41½	41	2	43	0
17	17	0	17	2	42	42	0	43	3
17½	17	2	18	0	42½	42	2	44	1
18	18	0	18	3	43	43	0	44	3
18½	18	2	19	1	43½	43	2	45	1
19	19	0	19	3	44	44	0	45	3
19½	19	2	20	1	44½	44	2	46	1
20	20	0	20	3	45	45	0	46	3
20½	20	2	21	1	45½	45	2	47	1
21	21	0	21	3	46	46	0	47	3
21½	21	2	22	1	46½	46	2	48	1
22	22	0	22	3	47	47	0	48	3
22½	22	2	23	1	47½	47	2	49	1
23	23	0	23	3	48	48	0	50	1
23½	23	2	24	1	48½	48	2	50	2
24	24	0	25	0	49	49	0	51	0
24½	24	2	25	2	49½	49	2	51	2
25	25	0	25	0	50	50	0	52	0
25½	25	2	26	2					

Feet Long.	*Inches broad.* 13		13½		Feet Long.	*Inches broad.* 13		13½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	0	1	0	26	28	0	29	1
1½	1	2	1	2	26½	28	2	29	3
2	2	0	2	1	27	29	1	30	1
2½	2	2	2	3	27½	29	3	30	3
3	3	1	3	1	28	30	1	31	2
3½	3	3	3	3	28½	30	3	32	0
4	4	1	4	2	29	31	1	32	2
4½	4	3	5	0	29½	31	3	33	0
5	5	1	5	2	30	32	2	33	3
5½	5	3	6	0	30½	33	0	34	1
6	6	2	6	3	31	33	2	34	3
6½	7	0	7	1	31½	34	0	35	1
7	7	2	7	3	32	34	2	36	0
7½	8	0	8	1	32½	35	0	36	2
8	8	2	9	0	33	35	3	37	0
8½	9	0	9	2	33½	36	1	37	2
9	9	3	10	0	34	36	3	38	1
9½	10	1	10	2	34½	37	1	38	3
10	10	3	11	1	35	37	3	39	1
10½	11	1	11	3	35½	38	1	39	3
11	11	3	12	1	36	39	0	40	2
11½	12	1	12	3	36½	39	2	41	0
12	13	0	13	2	37	40	0	41	2
12½	13	2	14	0	37½	40	2	42	0
13	14	0	14	2	38	41	0	42	3
13½	14	2	15	0	38½	41	2	43	1
14	15	0	15	3	39	42	1	43	3
14½	15	2	16	1	39½	42	3	44	1
15	16	1	16	3	40	43	1	45	0
15½	16	3	17	1	40½	43	3	45	2
16	17	1	18	0	41	44	1	46	0
16½	17	3	18	2	41½	44	3	46	2
17	18	1	19	0	42	45	2	47	1
17½	18	3	19	2	42½	46	0	47	3
18	19	2	20	1	43	46	2	48	1
18½	20	0	20	3	43½	47	0	48	3
19	20	2	21	1	44	47	2	49	2
19½	21	0	21	3	44½	48	0	50	0
20	21	2	22	2	45	48	3	50	2
20½	22	0	23	0	45½	49	1	51	0
21	22	3	23	2	46	49	3	51	3
21½	23	1	24	0	46½	50	1	52	1
22	23	3	24	3	47	50	3	52	3
22½	24	1	25	1	47½	51	1	53	1
23	24	3	25	3	48	52	0	54	0
23½	25	1	26	1	48½	52	2	54	2
24	26	0	27	0	49	53	0	55	0
24½	26	2	27	2	49½	53	2	55	2
25	27	0	28	0	50	54	0	56	1
25½	27	2	28	2					

Feet Long.	*Inches broad.* 14		14½		Feet Long.	*Inches broad.* 14		14½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	0	1	0	26	30	1	31	1
1½	1	3	1	3	26½	30	3	32	0
2	2	1	2	1	27	31	2	32	2
2½	2	3	3	0	27½	32	0	33	0
3	3	2	3	2	28	32	2	33	3
3½	4	0	4	0	28½	33	1	34	1
4	4	2	4	3	29	33	3	35	0
4½	5	1	5	1	29½	34	1	35	2
5	5	3	6	0	30	35	0	36	1
5½	6	1	6	2	30½	35	2	36	3
6	7	0	7	1	31	36	0	37	1
6½	7	2	7	3	31½	36	3	38	0
7	8	0	8	1	32	37	1	38	2
7½	8	3	9	0	32½	37	3	39	1
8	9	1	9	2	33	38	2	39	3
8½	9	3	10	1	33½	39	0	40	1
9	10	2	10	3	34	39	2	41	0
9½	11	0	11	1	34½	40	1	41	2
10	11	2	12	0	35	40	3	42	1
10½	12	1	12	2	35½	41	1	42	3
11	12	3	13	1	36	42	0	43	2
11½	13	1	13	3	36½	42	2	14	0
12	14	0	14	2	37	43	0	44	2
12½	14	2	15	0	37½	43	3	45	1
13	15	0	15	2	38	44	1	45	3
13½	15	3	16	1	38½	44	3	46	2
14	16	1	16	3	39	45	2	47	0
14½	16	3	17	2	39½	46	0	47	2
15	17	2	18	0	40	46	2	48	1
15½	18	0	18	2	40½	47	1	48	3
16	18	2	19	1	41	47	3	49	2
16½	19	1	19	3	41½	48	1	50	0
17	19	3	20	2	42	49	0	50	3
17½	20	1	21	0	42½	49	2	51	1
18	21	0	21	3	43	50	0	51	3
18½	21	2	22	1	43½	50	3	52	2
19	22	0	22	3	44	51	1	53	0
19½	22	3	23	2	44¼	51	3	53	3
20	23	1	24	0	45	52	2	54	1
20½	23	2	24	3	45½	53	0	54	3
21	24	2	25	1	46	53	2	55	2
21½	25	0	25	3	46½	54	1	56	0
22	25	2	26	2	47	54	3	56	3
22¼	26	1	27	0	47½	55	1	57	1
23	26	3	27	3	48	56	0	58	0
23½	27	1	28	1	48½	56	2	58	2
24	28	0	29	0	49	57	0	59	0
24½	28	2	29	2	49½	57	3	59	3
25	29	0	30	0	50	58	1	60	1
25½	29	3	30	3					

Feet Long.	*Inches broad.* 15		15½	
	F.	Q.	F.	Q.
1	1	1	1	1
1½	1	3	1	3
2	2	2	2	2
2½	3	0	3	0
3	3	3	3	3
3½	4	1	4	2
4	5	0	5	0
4½	5	2	5	3
5	6	1	6	1
5½	6	3	7	0
6	7	2	7	3
6½	8	0	8	1
7	8	3	9	0
7½	9	1	9	2
8	10	0	10	1
8½	10	2	10	3
9	11	1	11	2
9½	11	3	12	1
10	12	2	12	3
10½	13	0	13	2
11	13	3	14	0
11½	14	1	14	3
12	15	0	15	2
12½	15	2	16	0
13	16	1	16	3
13½	16	3	17	1
14	17	2	18	0
14½	18	0	18	2
15	18	3	19	1
15½	19	1	20	0
16	20	0	20	2
16½	20	2	21	1
17	21	1	21	3
17½	21	3	22	2
18	22	2	23	1
18½	23	0	23	3
19	23	3	24	2
19½	24	1	25	0
20	25	0	25	3
20½	25	2	26	1
21	26	1	27	0
21½	26	3	27	3
22	27	2	28	1
22½	28	0	29	0
23	28	3	29	2
23½	29	1	30	1
24	30	0	31	0
24½	30	2	31	2
25	31	1	32	1
25½	31	3	32	3

Feet Long.	*Inches broad.* 15		15½	
	F.	Q.	F.	Q.
26	32	2	33	2
26½	33	0	34	0
27	33	3	34	3
27½	34	1	35	2
28	35	0	36	0
28½	35	2	36	3
29	36	1	37	1
29½	36	3	38	0
30	37	2	38	3
30½	38	0	39	1
31	38	3	40	0
31½	39	1	40	2
32	40	0	41	1
32½	40	2	41	3
33	41	1	42	2
33½	41	3	43	1
34	42	2	43	3
34½	43	0	44	2
35	43	3	45	0
35½	44	1	45	3
36	45	0	46	2
36½	45	2	47	0
37	46	1	47	3
37½	46	3	48	1
38	47	2	49	0
38½	48	0	49	2
39	48	3	50	1
39½	49	1	51	0
40	50	0	51	2
40½	50	2	52	1
41	51	1	52	3
41½	51	3	53	2
42	52	2	54	1
42½	53	0	54	3
43	53	3	55	2
43½	54	1	56	0
44	55	0	56	3
44½	55	2	57	1
45	56	1	58	0
45½	56	3	58	3
46	57	2	59	1
46½	58	0	60	0
47	58	3	60	2
47½	59	1	61	1
48	60	0	62	0
48½	60	2	62	2
49	61	1	63	1
49½	61	3	63	3
50	62	2	64	2

Feet Long.	*Inches broad.* 16		16½		Feet Long.	*Inches broad.* 16		16½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	1	1	1	26	34	2	35	3
1½	2	0	2	0	26½	35	1	36	1
2	2	2	2	3	27	36	0	37	0
2½	3	1	3	1	27½	36	2	37	3
3	4	0	4	0	28	37	1	38	2
3½	4	2	4	3	28½	38	0	39	0
4	5	1	5	2	29	38	2	39	3
4½	6	0	6	0	29½	39	1	40	2
5	6	2	6	3	30	40	0	41	1
5½	7	1	7	2	30½	40	2	41	3
6	8	0	8	1	31	41	1	42	2
6½	8	2	8	3	31½	42	0	43	1
7	9	1	9	2	32	42	2	44	0
7½	10	0	10	1	32½	43	1	44	2
8	10	2	11	0	33	44	0	45	1
8½	11	1	11	2	33½	44	2	46	0
9	12	0	12	1	34	45	1	46	3
9½	12	2	13	0	34½	46	0	47	1
10	13	1	13	3	35	46	2	48	0
10½	14	0	14	1	35½	47	1	48	3
11	14	2	15	0	36	48	0	49	2
11½	15	1	15	3	36½	48	2	50	0
12	16	0	16	2	37	49	1	50	3
12½	16	2	17	0	37½	50	0	51	2
13	17	1	17	3	38	50	2	52	1
13½	18	0	18	2	38½	51	1	52	3
14	18	2	19	1	39	52	0	53	2
14½	19	1	19	3	39½	52	2	54	1
15	20	0	20	2	40	53	1	55	0
15½	20	2	21	1	40½	54	0	55	2
16	21	1	22	0	41	54	2	56	1
16½	22	0	22	2	41½	55	1	57	0
17	22	2	23	1	42	56	0	57	3
17½	23	1	24	0	42½	56	2	58	1
18	24	0	24	3	43	57	1	59	0
18½	24	2	25	1	43½	58	0	59	3
19	25	1	26	0	44	58	2	60	2
19½	26	0	26	3	44½	59	1	61	0
20	26	2	27	2	45	60	0	61	3
20½	27	1	28	0	45½	60	2	62	2
21	28	0	28	3	46	61	1	63	1
21½	28	2	29	2	46½	62	0	63	3
22	29	1	30	1	47	62	2	64	2
22½	30	0	30	3	47½	63	1	65	1
23	30	2	31	2	48	64	0	66	0
23½	31	1	32	1	48½	64	2	66	2
24	32	0	33	0	49	65	1	67	1
24½	32	2	33	2	49½	66	0	68	0
25	33	1	34	1	50	66	2	68	3
25½	34	0	35	0					

Feet Long.	*Inches broad.* 17		17½	
	F.	Q.	F.	Q.
1	1	1	1	1
1½	2	0	2	0
2	2	3	2	3
2½	3	2	3	2
3	4	1	4	1
3¼	4	3	5	0
4	5	2	5	3
4½	6	1	6	2
5	7	0	7	1
5½	7	3	8	0
6	8	2	8	3
6½	9	0	9	1
7	9	3	10	0
7½	10	2	10	3
8	11	1	11	2
8½	12	0	12	1
9	12	3	13	0
9¼	13	1	13	3
10	14	0	14	2
10½	14	3	15	1
11	15	2	16	0
11½	16	1	16	3
12	17	0	17	2
12½	17	2	18	0
13	18	1	18	3
13½	19	0	19	2
14	19	3	20	1
14½	20	2	21	0
15	21	1	21	3
15½	21	3	22	2
16	22	2	23	1
16½	23	1	24	0
17	24	0	24	3
17½	24	3	25	2
18	25	2	26	1
18½	26	0	26	3
19	26	3	27	2
19½	27	2	28	1
20	28	1	29	0
20½	29	0	29	3
21	29	3	30	2
21½	30	1	31	1
22	31	0	32	0
22½	31	3	32	3
23	32	2	33	2
23½	33	1	34	1
24	34	0	35	0
24½	34	2	35	2
25	35	1	36	1
25½	36	0	37	0

Feet Long.	*Inches broad.* 17		17½	
	F.	Q.	F.	Q.
26	36	3	37	3
26½	37	2	38	2
27	38	1	39	1
27½	38	3	40	0
28	39	2	40	3
28½	40	1	41	2
29	41	0	42	1
29½	41	3	43	0
30	42	2	43	3
30½	43	0	44	1
31	43	3	45	0
31½	44	2	45	3
32	45	1	46	2
32½	46	0	47	1
33	46	3	48	0
33½	47	1	48	3
34	48	0	49	2
34½	48	3	50	1
35	49	2	51	0
35½	50	1	51	3
36	51	0	52	2
36½	51	2	53	0
37	52	1	53	3
37½	53	0	54	2
38	53	3	55	1
38½	54	2	56	0
39	55	1	56	3
39½	55	3	57	2
40	56	2	58	1
40½	57	1	59	0
41	58	0	59	3
41½	58	3	60	2
42	59	2	61	1
42½	60	0	61	3
43	60	3	62	2
43½	61	2	63	1
44	62	1	64	0
44½	63	0	64	3
45	63	3	65	2
45½	64	1	66	1
46	65	0	67	0
46½	65	3	67	3
47	66	2	68	2
47½	67	1	69	1
48	68	0	70	0
48½	68	2	70	2
49	69	1	71	1
49½	70	0	72	0
50	70	3	72	3

Feet Long.	*Inches broad.* 18		18½		Feet Long	*Inches broad.* 18		18½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	2	1	2	26	39	0	40	0
1½	2	1	2	1	26½	39	3	40	3
2	3	0	3	0	27	40	2	41	2
2½	3	3	3	3	27½	41	1	42	1
3	4	2	4	2	28	42	0	43	0
3½	5	1	5	1	28½	42	3	43	3
4	6	0	6	0	29	43	2	44	2
4½	6	3	6	3	29½	44	1	45	1
5	7	2	7	2	30	45	0	46	1
5½	8	1	8	1	30½	45	3	47	0
6	9	0	9	1	31	46	2	47	3
6½	9	3	10	0	31½	47	1	48	2
7	10	2	10	3	32	48	0	49	1
7½	11	1	11	2	32½	48	3	50	0
8	12	0	12	1	33	49	2	50	3
8½	12	3	13	0	33½	50	1	51	2
9	13	2	13	3	34	51	0	52	1
9½	14	1	14	2	34½	51	3	53	0
10	15	0	15	1	35	52	2	53	3
10½	15	3	16	0	35½	53	1	54	2
11	16	2	16	3	36	54	0	55	2
11½	17	1	17	2	36½	54	3	56	1
12	18	0	18	2	37	55	2	57	0
12½	18	3	19	1	37½	56	1	57	3
13	19	2	20	0	38	57	0	58	2
13½	20	1	20	3	38½	57	3	59	1
14	21	0	21	2	39	58	2	60	0
14½	21	3	22	1	39½	59	1	60	3
15	22	2	23	0	40	60	0	61	2
15½	23	1	23	3	40½	60	3	62	1
16	24	0	24	2	41	61	2	63	0
16½	24	3	25	1	41½	62	1	63	3
17	25	2	26	0	42	63	0	64	3
17½	26	1	26	3	42½	63	3	65	2
18	27	0	27	3	43	64	2	66	1
18½	27	3	28	2	43½	65	1	67	0
19	28	2	29	1	44	66	0	67	3
19½	29	1	30	0	44½	66	3	68	2
20	30	0	30	3	45	67	2	69	1
20½	30	3	31	2	45½	68	1	70	0
21	31	2	32	1	46	69	0	70	3
21½	32	1	33	0	46½	69	3	71	2
22	33	0	33	3	47	70	2	72	1
22½	33	3	34	2	47½	71	1	73	0
23	34	2	35	1	48	72	0	74	0
23½	35	1	36	0	48½	72	3	74	3
24	36	0	37	0	49	73	2	75	2
24½	36	3	37	3	49½	74	1	76	1
25	37	2	38	2	50	75	0	77	0
25½	38	1	39	1					

Feet Long.	*Inches broad.* 19		19½		Feet Long.	*Inches broad.* 19		19½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	2	1	2	26	41	0	42	1
1½	2	1	2	1	26½	41	3	43	0
2	3	0	3	1	27	42	3	43	3
2½	3	3	4	0	27½	43	2	44	2
3	4	3	4	3	28	44	1	45	2
3½	5	2	5	2	28½	45	0	46	1
4	6	1	6	2	29	45	3	47	0
4½	7	0	7	1	29½	46	2	47	3
5	7	3	8	0	30	47	2	48	3
5½	8	2	8	3	30½	48	1	49	2
6	9	2	9	3	31	49	0	50	1
6½	10	1	10	2	31½	49	3	51	0
7	11	0	11	1	32	50	2	52	0
7½	11	3	12	0	32½	51	1	52	3
8	12	2	13	0	33	52	1	53	2
8½	13	1	13	3	33½	53	0	54	1
9	14	1	14	2	34	53	3	55	1
9½	15	0	15	1	34½	54	2	56	0
10	15	3	16	1	35	55	1	56	3
10½	16	2	17	0	35½	56	0	57	2
11	17	1	17	3	36	57	0	58	2
11½	18	0	18	2	36½	57	3	59	1
12	19	0	19	2	37	58	2	60	0
12½	19	3	20	1	37½	59	1	60	3
13	20	2	21	0	38	60	0	61	3
13½	21	1	21	3	38½	60	3	62	2
14	22	0	22	3	39	61	3	63	1
14½	22	3	23	2	39½	62	2	64	0
15	23	3	24	1	40	63	1	65	0
15½	24	2	25	0	40½	64	0	65	3
16	25	1	26	0	41	64	3	66	2
16½	26	0	26	3	41½	65	2	67	1
17	26	3	27	2	42	66	2	68	1
17½	27	2	28	1	42½	67	1	69	0
18	28	2	29	1	43	68	0	69	3
18½	29	1	30	0	43½	68	3	70	2
19	30	0	30	3	44	69	2	71	2
19½	30	3	31	2	44½	70	1	72	1
20	31	2	32	2	45	71	1	73	0
20½	32	1	33	1	45½	72	0	73	3
21	33	1	34	0	46	72	3	74	3
21½	34	0	34	3	46½	73	2	75	2
22	34	3	35	3	47	74	1	76	1
22½	35	2	36	2	47½	75	0	77	0
23	36	1	37	1	48	76	0	78	0
23½	37	0	38	0	48½	76	3	78	3
24	38	0	39	0	49	77	2	79	2
24½	38	3	39	3	49½	78	1	80	1
25	39	2	40	2	50	79	0	81	1
25½	40	1	41	1					

Feet Long.	*Inches broad.* 20		20½		Feet Long.	*Inches broad.* 20		20½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	2	1	2	26	43	1	44	1
1½	2	2	2	2	26½	44	0	45	1
2	3	1	3	1	27	45	0	46	0
2½	4	0	4	1	27½	45	3	46	3
3	5	0	5	0	28	46	2	47	3
3½	5	3	5	3	28½	47	2	48	2
4	6	2	6	3	29	48	1	49	2
4½	7	2	7	2	29½	49	0	50	1
5	8	1	8	2	30	50	0	51	1
5½	9	0	9	1	30½	50	3	52	0
6	10	0	10	1	31	51	2	52	3
6½	10	3	11	0	31½	52	2	53	3
7	11	2	11	3	32	53	1	54	2
7½	12	2	12	3	32½	54	0	55	2
8	13	1	13	2	33	55	0	56	1
8½	14	0	14	2	33½	55	3	57	0
9	15	0	15	1	34	56	2	58	0
9½	15	3	16	0	34½	57	2	58	3
10	16	2	17	0	35	58	1	59	3
10½	17	2	17	3	35½	59	0	60	2
11	18	1	18	3	36	60	0	61	2
11½	19	0	19	2	36½	60	3	62	1
12	20	0	20	2	37	61	2	63	0
12½	20	3	21	1	37½	62	2	64	0
13	21	2	22	0	38	63	1	64	3
13½	22	2	23	0	38½	64	0	65	3
14	23	1	23	3	39	65	0	66	2
14½	24	0	24	3	39½	65	3	67	1
15	25	0	25	2	40	66	2	68	1
15½	25	3	26	1	40½	67	2	69	0
16	26	2	27	1	41	68	1	70	0
16½	27	2	28	0	41½	69	0	70	3
17	28	1	29	0	42	70	0	71	3
17½	29	0	29	3	42½	70	3	72	2
18	30	0	30	3	43	71	2	73	1
18½	30	3	31	2	43½	72	2	74	1
19	31	2	32	1	44	73	1	75	0
19½	32	2	33	1	44½	74	0	76	0
20	33	1	34	0	45	75	0	76	3
20½	34	0	35	0	45½	75	3	77	2
21	35	0	35	3	46	76	2	78	2
21½	35	3	36	2	46½	77	2	79	1
22	36	2	37	2	47	78	1	80	1
22½	37	2	38	1	47½	79	0	81	0
23	38	1	39	1	48	80	0	82	0
23½	39	0	40	0	48½	80	3	82	3
24	40	0	41	0	49	81	2	83	2
24½	40	3	41	3	49½	82	2	34	2
25	41	2	42	2	50	83	1	85	1
25½	42	1	43	2					

Feet Long.	*Inches broad.* 21		21½		Feet Long	*Inches broad.* 21		21½	
	F.	Q.	F.	Q.		F.	Q.	F.	Q.
1	1	3	1	3	26	45	2	46	2
1½	2	2	2	2	26½	46	1	47	1
2	3	2	3	2	27	47	1	48	1
2½	4	1	4	1	27½	48	0	49	1
3	5	1	5	1	28	49	0	50	0
3½	6	0	6	1	28½	49	3	51	0
4	7	0	7	0	29	50	3	51	3
4½	7	3	8	0	29½	51	2	52	3
5	8	3	8	3	30	52	2	53	3
5½	9	2	9	3	30½	53	1	54	2
6	10	2	10	3	31	54	1	55	2
6½	11	1	11	2	31½	55	0	56	1
7	12	1	12	2	32	56	0	57	1
7½	13	0	13	1	32½	56	3	58	0
8	14	0	14	1	33	57	3	59	0
8½	14	3	15	0	33½	58	2	60	0
9	15	3	16	0	34	59	2	60	3
9½	16	2	17	0	34½	60	1	61	3
10	17	2	17	3	35	61	1	62	2
10½	18	1	18	3	35½	62	0	63	2
11	19	1	19	2	36	63	0	64	2
11½	20	0	20	2	36½	63	3	65	1
12	21	0	21	2	37	64	3	66	1
12½	21	3	22	1	37½	65	2	67	0
13	22	3	23	1	38	66	2	68	0
13½	23	2	24	0	38½	67	1	68	3
14	24	2	25	0	39	68	1	69	3
14½	25	1	25	3	39½	69	0	70	3
15	26	1	26	3	40	70	0	71	2
15½	27	0	27	3	40½	70	3	72	2
16	28	0	28	2	41	71	3	73	1
16½	28	3	29	2	41½	72	2	74	1
17	29	3	30	1	42	73	2	75	1
17½	30	2	31	1	42½	74	1	76	0
18	31	2	32	1	43	75	1	77	0
18½	32	1	33	0	43½	76	0	77	3
19	33	1	34	0	44	77	0	78	3
19½	34	0	34	3	44½	77	3	79	2
20	35	0	35	3	45	78	3	80	2
20½	35	3	36	2	45½	79	2	81	2
21	36	3	37	2	46	80	2	82	1
21½	37	2	38	2	46½	81	1	83	1
22	38	2	39	1	47	82	1	84	0
22½	39	1	40	1	47½	83	0	85	0
23	40	1	41	0	48	84	0	86	0
23½	41	0	42	0	48½	84	3	86	3
24	42	0	43	0	49	85	3	87	3
24½	42	3	43	3	49½	86	2	88	2
25	43	3	44	3	50	87	2	89	2
25½	44	2	45	2					

Feet Long.	*Inches broad.* 22		22½	
	F.	Q.	F.	Q.
1	1	3	1	3
1½	2	3	2	3
2	3	2	3	3
2½	4	2	4	2
3	5	2	5	2
3½	6	1	6	2
4	7	1	7	2
4½	8	1	8	1
5	9	0	9	1
5½	10	0	10	1
6	11	0	11	1
6½	11	3	12	0
7	12	3	13	0
7½	13	3	14	0
8	14	2	15	0
8½	15	2	15	3
9	16	2	16	3
9½	17	1	17	3
10	18	1	18	3
10½	19	1	19	2
11	20	0	20	2
11½	21	0	21	2
12	22	0	22	2
12½	22	3	23	1
13	23	3	24	1
13½	24	3	25	1
14	25	2	26	1
14½	26	2	27	0
15	27	2	28	0
15½	28	1	29	0
16	29	1	30	0
16½	30	1	30	3
17	31	0	31	3
17½	32	0	32	3
18	33	0	33	3
18½	33	3	34	2
19	34	3	35	2
19½	35	3	36	2
20	36	2	37	2
20½	37	2	38	1
21	38	2	39	1
21½	39	1	40	1
22	40	1	41	1
22½	41	1	42	0
23	42	0	43	0
23½	43	0	44	0
24	44	0	45	0
24½	44	3	45	3
25	45	3	46	3
25½	46	3	47	3

Feet Long.	*Inches broad.* 22		22½	
	F.	Q.	F.	Q.
26	47	2	48	3
26½	48	2	49	2
27	49	2	50	2
27½	50	1	51	2
28	51	1	52	2
28½	52	1	53	1
29	53	0	54	1
29½	54	0	55	1
30	55	0	56	1
30½	55	3	57	0
31	56	3	58	0
31½	57	3	59	0
32	58	2	60	0
32½	59	2	60	3
33	60	2	61	3
33½	61	1	62	3
34	62	1	63	3
34½	63	1	64	2
35	64	0	65	2
35½	65	0	66	2
36	66	0	67	2
36½	66	3	68	1
37	67	3	69	1
37½	68	3	70	1
38	69	2	71	1
38½	70	2	72	0
39	71	2	73	0
39½	72	1	74	0
40	73	1	75	0
40½	74	1	75	3
41	75	0	76	3
41½	76	0	77	3
42	77	0	78	3
42½	77	3	79	2
43	78	3	80	2
43½	79	3	81	2
44	80	2	82	2
44½	81	2	83	1
45	82	2	84	1
45½	83	1	85	1
46	84	1	86	1
46½	85	1	87	0
47	86	0	88	0
47½	87	0	89	0
48	88	0	90	0
48½	88	3	90	3
49	89	3	91	3
49½	90	3	92	3
50	91	2	93	3

Feet Long	*Inches broad.* 23		23½	
	F.	Q.	F.	Q.
1	1	3	1	3
1½	2	3	2	3
2	3	3	3	3
2½	4	3	4	3
3	5	3	5	3
3½	6	2	6	3
4	7	2	7	3
4½	8	2	8	3
5	9	2	9	3
5½	10	2	10	3
6	11	2	11	3
6½	12	1	12	2
7	13	1	13	2
7½	14	1	14	2
8	15	1	15	2
8½	16	1	16	2
9	17	1	17	2
9½	18	0	18	2
10	19	0	19	2
10½	20	0	20	2
11	21	0	21	2
11½	22	0	22	2
12	23	0	23	2
12½	23	3	24	1
13	24	3	25	1
13½	25	3	26	1
14	26	3	27	1
14½	27	3	28	1
15	28	3	29	1
15½	29	2	30	1
16	30	2	31	1
16½	31	2	32	1
17	32	2	33	1
17½	33	2	34	1
18	34	2	35	1
18½	35	1	36	0
19	36	1	37	0
19½	37	1	38	0
20	38	1	39	0
20½	39	1	40	0
21	40	1	41	0
21½	41	0	42	0
22	42	0	43	0
22½	43	0	44	0
23	44	0	45	0
23½	45	0	46	0
24	46	0	47	0
24½	46	3	47	3
25	47	3	48	3
25½	48	3	49	3

Feet Long	*Inches broad.* 23		23½	
	F.	Q.	F.	Q.
26	49	3	50	3
26½	50	3	51	3
27	51	3	52	3
27½	52	2	53	3
28	53	2	54	3
28½	54	2	55	3
29	55	2	56	3
29½	56	2	57	3
30	57	2	58	3
30½	58	1	59	2
31	59	1	60	2
31½	60	1	61	2
32	61	1	62	2
32½	62	1	63	2
33	63	1	64	2
33½	64	0	65	2
34	65	0	66	2
34½	66	0	67	2
35	67	0	68	2
35½	68	0	69	2
36	69	0	70	2
36½	69	3	71	1
37	70	3	72	1
37½	71	3	73	1
38	72	3	74	1
38½	73	3	75	1
39	74	3	76	1
39½	75	2	77	1
40	76	2	78	1
40½	77	2	79	1
41	78	2	80	1
41½	79	2	81	1
42	80	2	82	1
42½	81	1	83	0
43	82	1	84	0
43½	83	1	85	0
44	84	1	86	0
44½	85	1	87	0
45	86	1	88	0
45½	87	0	89	0
46	88	0	90	0
46½	89	0	91	0
47	90	0	92	0
47½	91	0	93	0
48	92	0	94	0
48½	92	3	94	3
49	93	3	95	3
49½	94	3	96	3
50	95	3	97	3

Feet Long.	*Inches broad.* 24		24½	
	F.	Q.	F.	Q.
1	2	0	2	0
1½	3	0	3	0
2	4	0	4	0
2½	5	0	5	0
3	6	0	6	0
3½	7	0	7	0
4	8	0	8	0
4½	9	0	9	0
5	10	0	10	0
5½	11	0	11	0
6	12	0	12	1
6½	13	0	13	1
7	14	0	14	1
7½	15	0	15	1
8	16	0	16	1
8½	17	0	17	1
9	18	0	18	1
9½	19	0	19	1
10	20	0	20	1
10½	21	0	21	1
11	22	0	22	1
11½	23	0	23	1
12	24	0	24	2
12½	25	0	25	2
13	26	0	26	2
13½	27	0	27	2
14	28	0	28	2
14½	29	0	29	2
15	30	0	30	2
15½	31	0	31	2
16	32	0	32	2
16½	33	0	33	2
17	34	0	34	2
17½	35	0	35	2
18	36	0	36	3
18½	37	0	37	3
19	38	0	38	3
19½	39	0	39	3
20	40	0	40	3
20½	41	0	41	3
21	42	0	42	3
21½	43	0	43	3
22	44	0	44	3
22½	45	0	45	3
23	46	0	46	3
23½	47	0	47	3
24	48	0	49	0
24½	49	0	50	0
25	50	0	51	0
25½	51	0	52	0

Feet Long.	*Inches broad.* 24		24½	
	F.	Q.	F.	Q.
26	52	0	53	0
26½	53	0	54	0
27	54	0	55	0
27½	55	0	56	0
28	56	0	57	0
28½	57	0	58	0
29	58	0	59	0
29½	59	0	60	0
30	60	0	61	1
30½	61	0	62	1
31	62	0	63	1
31½	63	0	64	1
32	64	0	65	1
32½	65	0	66	1
33	66	0	67	1
33½	67	0	68	1
34	68	0	69	1
34½	69	0	70	1
35	70	0	71	1
35½	71	0	72	1
36	72	0	73	2
36½	73	0	74	2
37	74	0	75	2
37½	75	0	76	2
38	76	0	77	2
38½	77	0	78	2
39	78	0	79	2
39½	79	0	80	2
40	80	0	81	2
40½	81	0	82	2
41	82	0	83	2
41½	83	0	84	2
42	84	0	85	3
42½	85	0	86	3
43	86	0	87	3
43½	87	0	88	3
44	88	0	89	3
44½	89	0	90	3
45	90	0	91	3
45½	91	0	92	3
46	92	0	93	3
46½	93	0	94	3
47	94	0	95	3
47½	95	0	96	3
48	96	0	98	0
48½	97	0	99	0
49	98	0	100	0
49½	99	0	101	0
50	100	0	102	0

Feet Long.	*Inches broad.* 25		25½	
	F.	Q.	F.	Q.
1	2	0	2	0
1½	3	0	3	0
2	4	0	4	1
2½	5	0	5	1
3	6	1	6	1
3½	7	1	7	1
4	8	1	8	2
4½	9	1	9	2
5	10	1	10	2
5½	11	1	11	2
6	12	2	12	3
6½	13	2	13	3
7	14	2	14	3
7½	15	2	15	3
8	16	2	17	0
8½	17	2	18	0
9	18	3	19	0
9½	19	3	20	0
10	20	3	21	1
10½	21	3	22	1
11	22	3	23	1
11½	23	3	24	1
12	25	0	25	2
12½	26	0	26	2
13	27	0	27	2
13½	28	0	28	2
14	29	0	29	3
14½	30	0	30	3
15	31	1	31	3
15½	32	1	32	3
16	33	1	34	0
16½	34	1	35	0
17	35	1	36	0
17½	36	1	37	0
18	37	2	38	1
18½	38	2	39	1
19	39	2	40	1
19½	40	2	41	1
20	41	2	42	2
20½	42	2	43	2
21	43	3	44	2
21½	44	3	45	2
22	45	3	46	3
22½	46	3	47	3
23	47	3	48	3
23½	48	3	49	3
24	50	0	51	0
24½	51	0	52	0
25	52	0	53	0
25½	53	0	54	0

Feet Long.	*Inches broad.* 25		25½	
	F.	Q.	F.	Q.
26	54	0	55	1
26½	55	0	56	1
27	56	1	57	1
27½	57	1	58	1
28	58	1	59	2
28½	59	1	60	2
29	60	1	61	2
29½	61	1	62	2
30	62	2	63	3
30½	63	2	64	3
31	64	2	65	3
31½	65	2	66	3
32	66	2	68	0
32½	67	2	69	0
33	68	3	70	0
33½	69	3	71	0
34	70	3	72	1
34½	71	3	73	1
35	72	3	74	1
35½	73	3	75	1
36	75	0	76	2
36½	76	0	77	2
37	77	0	78	2
37½	78	0	79	2
38	79	0	80	3
38½	80	0	81	3
39	81	1	82	3
39½	82	1	83	3
40	83	1	85	0

Feet Long.	*Inches broad.* 26		26½	
	F.	Q.	F.	Q.
1	2	0	2	0
1½	3	1	3	1
2	4	1	4	1
2½	5	1	5	2
3	6	2	6	2
3½	7	2	7	2
4	8	2	8	3
4½	9	3	9	3
5	10	3	11	0
5½	11	3	12	0
6	13	0	13	1
6½	14	0	14	1
7	15	0	15	1
7½	16	1	16	2
8	17	1	17	2
8½	18	1	18	3
9	19	2	19	3
9½	20	2	20	3
10	21	2	22	0
10½	22	3	23	0
11	23	3	24	1
11½	24	3	25	1
12	26	0	26	2
12½	27	0	27	2
13	28	0	28	2
13½	29	1	29	3
14	30	1	30	3
14½	31	1	32	0
15	32	2	33	0
15½	33	2	34	0
16	34	2	35	1
16½	35	3	36	1
17	36	3	37	2
17½	37	3	38	2
18	39	0	39	3
18½	40	0	40	3
19	41	0	41	3
19½	42	1	43	0
20	43	1	44	0
20½	44	1	45	1
21	45	2	46	1
21½	46	2	47	1
22	47	2	48	2
22½	48	3	49	2
23	49	3	50	3
23½	50	3	51	3
24	52	0	53	0
24½	53	0	54	0
25	54	0	55	0
25½	55	1	56	1

Feet Long.	*Inches broad.* 26		26½	
	F.	Q.	F.	Q.
26	56	1	57	1
26½	57	1	58	2
27	58	2	59	2
27½	59	2	60	2
28	60	2	61	3
28½	61	3	62	3
29	62	3	64	0
29½	63	3	65	0
30	65	0	66	1
30½	66	0	67	1
31	67	0	68	1
31½	68	1	69	2
32	69	1	70	2
32½	70	1	71	3
33	71	2	72	3
33½	72	2	73	3
34	73	2	75	0
34½	74	3	76	0
35	75	3	77	1
35½	76	3	78	1
36	78	0	79	2
36½	79	0	80	2
37	80	0	81	2
37½	81	1	82	3
38	82	1	83	3
38½	83	1	85	0
39	84	2	86	0
39½	85	2	87	0
40	86	2	88	1

Feet Long.	*Inches broad.* 27		27½	
	F.	Q.	F.	Q.
1	2	1	2	1
1½	3	1	3	1
2	4	2	4	2
2½	5	2	5	2
3	6	3	6	3
3½	7	3	8	0
4	9	0	9	0
4½	10	0	10	1
5	11	1	11	1
5½	12	1	12	2
6	13	2	13	3
6½	14	2	14	3
7	15	3	16	0
7½	16	3	17	0
8	18	0	18	1
8½	19	0	19	1
9	20	1	20	2
9½	21	1	21	3
10	22	2	22	3
10½	23	2	24	0
11	24	3	25	0
11½	25	3	26	1
12	27	0	27	2
12½	28	0	28	2
13	29	1	29	3
13½	30	1	30	3
14	31	2	32	0
14½	32	2	33	0
15	33	3	34	1
15½	34	3	35	2
16	36	0	36	2
16½	37	0	37	3
17	38	1	38	3
17½	39	1	40	0
18	40	2	41	1
18½	41	2	42	1
19	42	3	43	2
19½	43	3	44	2
20	45	0	45	3
20½	46	0	46	3
21	47	1	48	0
21½	48	1	49	1
22	49	2	50	1
22½	50	2	51	2
23	51	3	52	2
23½	52	3	53	3
24	54	0	55	0
24½	55	0	56	0
25	56	1	57	1
25½	57	1	58	1

Feet Long.	*Inches broad.* 27		27½	
	F.	Q.	F.	Q.
26	58	2	59	2
26½	59	2	60	2
27	60	3	61	3
27½	61	3	63	0
28	63	0	64	0
28½	64	0	65	1
29	65	1	66	1
29½	66	1	67	2
30	67	2	68	3
30½	68	2	69	3
31	69	3	71	0
31½	70	3	72	0
32	72	0	73	1
32½	73	0	74	1
33	74	1	75	2
33½	75	1	76	3
34	76	2	77	3
34½	77	2	79	0
35	78	3	80	0
35½	79	3	81	1
36	81	0	82	2
36½	82	0	83	2
37	83	1	84	3
37½	84	1	85	3
38	85	2	87	0
38½	86	2	88	0
39	87	3	89	1
39½	88	3	90	2
40	90	0	91	2

Feet Long	*Inches broad.* 28		28½	
	F.	Q.	F.	Q.
1	2	1	2	1
1½	3	2	3	2
2	4	2	4	3
2½	5	3	5	3
3	7	0	7	0
3½	8	0	8	1
4	9	1	9	2
4½	10	2	10	2
5	11	2	11	3
5½	12	3	13	0
6	14	0	14	1
6½	15	0	15	1
7	16	1	16	2
7½	17	2	17	3
8	18	2	19	0
8½	19	3	20	0
9	21	0	21	1
9½	22	0	22	2
10	23	1	23	3
10½	24	2	24	3
11	25	2	26	0
11½	26	3	27	1
12	28	0	28	2
12½	29	0	29	2
13	30	1	30	3
13½	31	2	32	0
14	32	2	33	1
14½	33	3	34	1
15	35	0	35	2
15½	36	0	36	3
16	37	1	38	0
16½	38	2	39	0
17	39	2	40	1
17½	40	3	41	2
18	42	0	42	3
18½	43	0	43	3
19	44	1	45	0
19½	45	2	46	1
20	46	2	47	2
20½	47	3	48	2
21	49	0	49	3
21½	50	0	51	0
22	51	1	52	1
22½	52	2	53	1
23	53	2	54	2
23½	54	3	55	3
24	56	0	57	0
24½	57	0	58	0
25	58	1	59	1
25½	59	2	60	2

Feet Long.	*Inches broad.* 28		28½	
	F.	Q.	F.	Q.
26	60	2	61	3
26½	61	3	62	3
27	63	0	64	0
27½	64	0	65	1
28	65	1	66	2
28½	66	2	67	2
29	67	2	68	3
29½	68	3	70	0
30	70	0	71	1
30½	71	0	72	1
31	72	1	73	2
31½	73	2	74	3
32	74	2	76	0
32½	75	3	77	0
33	77	0	78	1
33½	78	0	79	2
34	79	1	80	3
34½	80	2	81	3
35	81	2	83	0
35½	82	3	84	1
36	84	0	85	2
36½	85	0	86	2
37	86	1	87	3
37½	87	2	89	0
38	88	2	90	1
38½	89	3	91	1
39	91	0	92	2
39½	92	0	93	3
40	93	1	95	0

Feet Long.	*Inches broad.* 29		29½	
	F.	Q.	F.	Q.
1	2	1	2	1
1½	3	2	3	2
2	4	3	4	3
2½	6	0	6	0
3	7	1	7	1
3½	8	1	8	2
4	9	2	9	3
4½	10	3	11	0
5	12	0	12	1
5½	13	1	13	2
6	14	2	14	3
6½	15	2	15	3
7	16	3	17	0
7½	18	0	18	1
8	19	1	19	2
8½	20	2	20	3
9	21	3	22	0
9½	22	3	23	1
10	24	0	24	2
10½	25	1	25	3
11	26	2	27	0
11½	27	3	28	1
12	29	0	29	2
12½	30	0	30	2
13	31	1	31	3
13½	32	2	33	0
14	33	3	34	1
14½	35	0	35	2
15	36	1	36	3
15½	37	1	38	0
16	38	2	39	1
16½	39	3	40	2
17	41	0	41	3
17½	42	1	43	0
18	43	2	44	1
18½	44	2	45	1
19	45	3	46	2
19½	47	0	47	3
20	48	1	49	0
20½	49	2	50	1
21	50	3	51	2
21½	51	3	52	3
22	53	0	54	0
22½	54	1	55	1
23	55	2	56	2
23½	56	3	57	3
24	58	0	59	0
24½	59	0	60	0
25	60	1	61	1
25½	61	2	62	2

Feet Long.	*Inches broad.* 29		29½	
	F.	Q.	F.	Q.
26	62	3	63	3
26½	64	0	65	0
27	65	1	66	1
27½	66	1	67	2
28	67	2	68	3
28½	68	3	70	0
29	70	0	71	1
29½	71	1	72	1
30	72	2	73	3
30½	73	2	74	3
31	74	3	76	0
31½	76	0	77	1
32	77	1	78	2
32½	78	2	79	3
33	79	3	81	0
33½	80	3	82	1
34	82	0	83	2
34½	83	1	84	3
35	84	2	86	0
35½	85	3	87	0
36	87	0	88	2
36½	88	0	89	2
37	89	1	90	3
37½	90	2	92	0
38	91	3	93	1
38½	93	0	94	2
39	94	1	95	3
39½	95	1	97	0
40	96	2	98	1

Feet Long.	*Inches broad.* 30		30½	
	F.	Q.	F.	Q.
1	2	2	2	2
1½	3	3	3	3
2	5	0	5	0
2½	6	1	6	1
3	7	2	7	2
3½	8	3	8	3
4	10	0	10	0
4½	11	1	11	1
5	12	2	12	2
5½	13	3	13	3
6	15	0	15	1
6½	16	1	16	2
7	17	2	17	3
7½	18	3	19	0
8	20	0	20	1
8½	21	1	21	2
9	22	2	22	3
9½	23	3	24	0
10	25	0	25	1
10½	26	1	26	2
11	27	2	27	3
11½	28	3	29	0
12	30	0	30	2
12½	31	1	31	3
13	32	2	33	0
13½	33	3	34	1
14	35	0	35	2
14½	36	1	36	3
15	37	2	38	0
15½	38	3	39	1
16	40	0	40	2
16½	41	1	41	3
17	42	2	43	0
17½	43	3	44	1
18	45	0	45	3
18½	46	1	47	0
19	47	2	48	1
19½	48	3	49	2
20	50	0	50	3
20½	51	1	52	0
21	52	2	53	1
21½	53	3	54	2
22	55	0	55	3
22½	56	1	57	0
23	57	2	58	1
23½	58	3	59	2
24	60	0	61	0
24½	61	1	62	1
25	62	2	63	2
25½	63	3	64	3

Feet Long.	*Inches broad.* 30		30½	
	F.	Q.	F.	Q.
26	65	0	66	0
26½	66	1	67	1
27	67	2	68	2
27½	68	3	69	3
28	70	0	71	0
28½	71	1	72	1
29	72	2	73	2
29½	73	3	74	3
30	75	0	76	1
30½	76	1	77	2
31	77	2	78	3
31½	78	3	80	0
32	80	0	81	1
32½	81	1	82	2
33	82	2	83	3
33½	83	3	85	0
34	85	0	86	1
34½	86	1	87	2
35	87	2	88	3
35½	88	3	90	0
36	90	0	91	2
36½	91	1	92	3
37	92	2	94	0
37½	93	3	95	1
38	95	0	96	2
38½	96	1	97	3
39	97	2	99	0
39½	98	3	100	1
40	100	0	101	2

Feet Long.	*Inches broad.*			
	31	31½	32	32½
	F. Q.	F. Q.	F. Q.	F. Q.
1	2 2	2 2	2 2	2 2
1½	3 3	3 3	4 0	4 0
2	5 0	5 1	5 1	5 1
2½	6 1	6 2	6 2	6 3
3	7 3	7 3	8 0	8 0
3½	9 0	9 0	9 1	9 1
4	10 1	10 2	10 2	10 3
4½	11 2	11 3	12 0	12 0
5	12 3	13 0	13 1	13 2
5½	14 0	14 1	14 2	14 3
6	15 2	15 3	16 0	16 1
6½	16 3	17 0	17 1	17 2
7	18 0	18 1	18 2	18 3
7½	19 1	19 2	20 0	20 1
8	20 2	21 0	21 1	21 2
8½	21 3	22 1	22 2	23 0
9	23 1	23 2	24 0	24 1
9½	24 2	24 3	25 1	25 2
10	25 3	26 1	26 2	27 0
10½	27 0	27 2	28 0	28 1
11	28 1	28 3	29 1	29 3
11½	29 2	30 0	30 2	31 0
12	31 0	31 2	32 0	32 2
12½	32 1	32 3	33 1	33 3
13	33 2	34 0	34 2	35 0
13½	34 3	35 1	36 0	36 2
14	36 0	36 3	37 1	37 3
14½	37 1	38 0	38 2	39 1
15	38 3	39 1	40 0	40 2
15½	40 0	40 2	41 1	41 3
16	41 1	42 0	42 2	43 1
16½	42 2	43 1	44 0	44 2
17	43 3	44 2	45 1	46 0
17½	45 0	45 3	46 2	47 1
18	46 2	47 1	48 0	48 3
18½	47 3	48 2	49 1	50 0
19	49 0	49 3	50 2	51 1
19½	50 1	51 0	52 0	52 3
20	51 2	52 2	53 1	54 0
20½	52 3	53 3	54 2	55 2
21	54 1	55 0	56 0	56 3
21½	55 2	56 1	57 1	58 0
22	56 3	57 3	58 2	59 2
22½	58 0	59 0	60 0	60 3
23	59 1	60 1	61 1	62 1
23½	60 2	61 2	62 2	63 2
24	62 0	63 0	64 0	65 0
24½	63 1	64 1	65 1	66 1
25	64 2	65 2	66 2	67 2
25½				

Feet Long	*Inches broad.*			
	33	33½	34	34½
	F. Q	F. Q	F. Q.	F. Q.
1	2 3	2 3	2 3	2 3
1½	4 0	4 0	4 1	4 1
2	5 1	5 2	5 2	5 3
2½	6 3	6 3	7 0	7 0
3	8 1	8 1	8 2	8 2
3½	9 2	9 3	9 3	10 0
4	11 0	11 0	11 1	11 2
4½	12 1	12 2	12 3	12 3
5	13 3	13 3	14 0	14 1
5½	15 0	15 1	15 2	15 3
6	16 2	16 3	17 0	17 1
6½	17 3	18 0	18 1	18 2
7	19 1	19 2	19 3	20 0
7½	20 2	20 3	21 1	21 2
8	22 0	22 1	22 2	23 0
8½	23 1	23 2	24 0	24 1
9	24 3	25 0	25 2	25 3
9½	26 0	26 2	26 3	27 1
10	27 2	27 3	28 1	28 3
10½	28 3	29 1	29 3	30 0
11	30 1	30 2	31 0	31 2
11½	31 2	32 0	32 2	33 0
12	33 0	33 2	34 0	34 2
12½	34 1	34 3	35 1	35 3
13	35 3	36 1	36 3	37 1
13½	37 0	37 2	38 1	38 3
14	38 2	39 0	39 2	40 1
14½	39 3	40 1	41 0	41 2
15	41 1	41 3	42 2	43 0
15½	42 2	43 1	43 3	44 2
16	44 0	44 2	45 1	46 0
16½	45 1	46 0	46 3	47 1
17	46 3	47 1	48 0	48 3
17½	48 0	48 3	49 2	50 1
18	49 2	50 1	51 0	51 3
18½	50 3	51 2	52 1	53 0
19	52 1	53 0	53 3	54 2
19½	53 2	54 1	55 1	56 0
20	55 0	55 3	56 2	57 2
20½	56 1	57 0	58 0	58 3
21	57 3	58 2	59 2	60 1
21½	59 0	60 0	60 3	61 3
22	60 2	61 1	62 1	63 1
22½	61 3	62 3	63 3	64 2
23	63 1	64 0	65 0	66 0
23½	64 2	65 2	66 2	67 2
24	66 0	67 0	68 0	69 0
24½	67 1	68 1	69 1	70 1
25	68 3	69 3	70 3	71 3

Feet Long.	*Inches broad.*							
	35		35½		36		36½	
	F.	Q.	F.	Q.	F.	Q	F.	Q.
1	2	3	2	3	3	0	3	0
1½	4	1	4	1	4	2	4	2
2	5	3	5	3	6	0	6	0
2½	7	1	7	1	7	2	7	2
3	8	3	8	3	9	0	9	0
3½	10	0	10	1	10	2	10	2
4	11	2	11	3	12	0	12	0
4½	13	0	13	1	13	2	13	2
5	14	2	14	3	15	0	15	0
5½	16	0	16	1	16	2	16	2
6	17	2	17	3	18	0	18	1
6½	18	3	19	0	19	2	19	3
7	20	1	20	2	21	0	21	1
7½	21	3	22	0	22	2	22	3
8	23	1	23	2	24	0	24	1
8½	24	3	25	0	25	2	25	3
9	26	1	26	2	27	0	27	1
9½	27	2	28	0	28	2	28	3
10	29	0	29	2	30	0	30	1
10½	30	2	31	0	31	2	31	3
11	32	0	32	2	33	0	33	1
11½	33	2	34	0	34	2	34	3
12	35	0	35	2	36	0	36	2
12½	36	1	36	3	37	2	38	0
13	37	3	38	1	39	0	39	2
13½	39	1	39	3	40	2	41	0
14	40	3	41	1	42	0	42	2
14½	42	1	42	3	43	2	44	0
15	43	3	44	1	45	0	45	2
15½	45	0	45	3	46	2	47	0
16	46	2	47	1	48	0	48	2
16½	48	0	48	3	49	2	50	0
17	49	2	50	1	51	0	51	2
17½	51	0	51	3	52	2	53	0
18	52	2	53	1	54	0	54	3
18½	53	3	54	2	55	2	56	1
19	55	1	56	0	57	0	57	3
19½	56	3	57	2	58	2	59	1
20	58	1	59	0	60	0	60	3
20½	59	3	60	2	61	2	62	1
21	61	1	62	0	63	0	63	3
21½	62	2	63	2	64	2	65	1
22	64	0	65	0	66	0	66	3
22½	65	2	66	2	67	2	68	1
23	67	0	68	0	69	0	69	3
23½	68	2	69	2	70	2	71	1
24	70	0	71	0	72	0	73	0
24½	71	1	72	1	73	2	74	2
25	72	3	73	3	75	0	76	0

Feet Long.	*Inches broad.*							
	37		37½		38		38½	
	F.	Q	F.	Q.	F.	Q	F.	Q
1	3	0	3	0	3	0	3	0
1½	4	2	4	2	4	3	4	3
2	6	0	6	1	6	1	6	1
2½	7	2	7	3	7	3	8	0
3	9	1	9	1	9	2	9	2
3½	10	3	10	3	11	0	11	0
4	12	1	12	2	12	2	12	3
4½	13	3	14	0	14	1	14	1
5	15	1	15	2	15	3	16	0
5½	16	3	17	0	17	1	17	2
6	18	2	18	3	19	0	19	1
6½	20	0	20	1	20	2	20	3
7	21	2	21	3	22	0	22	1
7½	23	0	23	1	23	3	24	0
8	24	2	25	0	25	1	25	2
8½	26	0	26	2	26	3	27	1
9	27	3	28	0	28	2	28	3
9½	29	1	29	2	30	0	30	1
10	30	3	31	1	31	2	32	0
10½	32	1	32	3	33	1	33	2
11	33	3	34	1	34	3	35	1
11½	35	1	35	3	36	1	36	3
12	37	0	37	2	38	0	38	2
12½	38	2	39	0	39	2	40	0
13	40	0	40	2	41	0	41	2
13½	41	2	42	0	42	3	43	1
14	43	0	43	3	44	1	44	3
14½	44	2	45	1	45	3	46	2
15	46	1	46	3	47	2	48	0
15½	47	3	48	1	49	0	49	2
16	49	1	50	0	50	2	51	1
16½	50	3	51	2	52	1	52	3
17	52	1	53	0	53	3	54	2
17½	53	3	54	2	55	1	56	0
18	55	2	56	1	57	0	57	3
18½	57	0	57	3	58	2	59	1
19	58	2	59	1	60	0	60	3
19½	60	0	60	3	61	3	62	2
20	61	2	62	2	63	1	64	0
20½	63	0	64	0	64	3	65	3
21	64	3	65	2	66	2	67	1
21½	66	1	67	0	68	0	68	3
22	67	3	68	3	69	2	70	2
22½	69	1	70	1	71	1	72	0
23	70	3	71	3	72	3	73	3
23½	72	1	73	1	74	1	75	1
24	74	0	75	0	76	0	77	0
24½	75	2	76	2	77	2	78	2
25	77	0	78	0	79	0	80	0

Feet Long.	*Inches broad.* 39		39½		40		40½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	3	1	3	1	3	1	3	1
1½	4	3	4	3	5	0	5	0
2	6	2	6	2	6	2	6	3
2½	8	0	8	0	8	1	8	1
3	9	3	9	3	10	0	10	0
3½	11	1	11	2	11	2	11	3
4	13	0	13	0	13	1	13	2
4½	14	2	14	3	15	0	15	0
5	16	1	16	1	16	2	16	3
5½	17	3	18	0	18	1	18	2
6	19	2	19	3	20	0	20	1
6½	21	0	21	1	21	2	21	3
7	22	3	23	0	23	1	23	2
7½	24	1	24	2	25	0	25	1
8	26	0	26	1	26	2	27	0
8½	27	2	27	3	28	1	28	2
9	29	1	29	2	30	0	30	1
9½	30	3	31	1	31	2	32	0
10	32	2	32	3	33	1	33	3
10½	34	0	34	2	35	0	35	1
11	35	3	36	0	36	2	37	0
11½	37	1	37	3	38	1	38	3
12	39	0	39	2	40	0	40	2
12½	40	2	41	0	41	2	42	0
13	42	1	42	3	43	1	43	3
13½	43	3	44	1	45	0	45	2
14	45	2	46	0	46	2	47	1
14½	47	0	47	2	48	1	48	3
15	48	3	49	1	50	0	50	2
15½	50	1	51	0	51	2	52	1
16	52	0	52	2	53	1	54	0
16½	53	2	54	1	55	0	55	2
17	55	1	55	3	56	2	57	1
17½	56	3	57	2	58	1	59	0
18	58	2	59	1	60	0	60	3
18½	60	0	60	3	61	2	62	1
19	61	3	62	2	63	1	64	0
19½	63	1	64	0	65	0	65	3
20	65	0	65	3	66	2	67	2
20½	66	2	67	1	68	1	69	0
21	68	1	69	0	70	0	70	3
21½	69	3	70	3	71	2	72	2
22	71	2	72	1	73	1	74	1
22½	73	0	74	0	75	0	75	3
23	74	3	75	2	76	2	77	2
23½	76	1	77	1	78	1	79	1
24	78	0	79	0	80	0	81	0
24½	79	2	80	2	81	2	82	2
25	81	1	82	1	83	1	84	1

Feet Long	*Inches broad.* 41		41½		42	
	F.	Q.	F.	Q.	F.	Q.
1	3	1	3	1	3	2
1½	5	0	5	0	5	1
2	6	3	6	3	7	0
2½	8	2	8	2	8	3
3	10	1	10	1	10	2
3½	11	3	12	0	12	1
4	13	2	13	3	14	0
4½	15	1	15	2	15	3
5	17	0	17	1	17	2
5½	18	3	19	0	19	1
6	20	2	20	3	21	0
6½	22	0	22	1	22	3
7	23	3	24	0	24	2
7½	25	2	25	3	26	1
8	27	1	27	2	28	0
8½	29	0	29	1	29	3
9	30	3	31	0	31	2
9½	32	1	32	3	33	1
10	34	0	34	2	35	0
10½	35	3	36	1	36	3
11	37	2	38	0	38	2
11½	39	1	39	3	40	1
12	41	0	41	2	42	0
12½	42	2	43	0	43	3
13	44	1	44	3	45	2
13½	46	0	46	2	47	1
14	47	3	48	1	49	0
14½	49	2	50	0	50	3
15	51	1	51	3	52	2
15½	52	3	53	2	54	1
16	54	2	55	1	56	0
16½	56	1	57	0	57	3
17	58	0	58	3	59	2
17½	59	3	60	2	61	1
18	61	2	62	1	63	0
18½	63	0	63	3	64	3
19	64	3	65	2	66	2
19½	66	2	67	1	68	1
20	68	1	69	0	70	0
20½	70	0	70	3	71	3
21	71	3	72	2	73	2
21½	73	1	74	1	75	1
22	75	0	76	0	77	0
22½	76	3	77	3	78	3
23	78	2	79	2	80	2
23½	80	1	81	1	82	1
24	82	0	83	0	84	0
24½	83	2	84	2	85	3
25	85	1	86	1	87	2

OF SCANTLING.

Squares. Inches.	To a Tun solid. Running Feet.	To a Foot solid. Running Feet.
2	1440	36
2 and 3	960	24
2 and 4	720	18
3	640	16
3 and 4	480	12
4	360	9
4 and 5	288	7 2-10ths
5	230 4-10ths.	5 76 Parts of 100.
5 and 6	192	4 8-10ths.
6	160	4

A Table of superficial Feet of different Thickness contained in a Foot and Tun solid, the Tun being 40 Feet solid.

To a foot solid.	To a Tun solid.	Of what Thickness.
48	1920	$\frac{1}{4}$ of an Inch.
24	960	$\frac{1}{2}$ Inch.
16	640	$\frac{3}{4}$ Inch.
12	480	Inch.
9 6-10ths.	384	Inch and $\frac{1}{4}$
8	320	Inch and $\frac{1}{2}$
6	240	2 Inch.
4 8-10ths.	192	2 $\frac{1}{2}$ Inch.
4	160	3 Inch.
3 428 Parts of 1000.	137 1-7th.	3 $\frac{1}{2}$ Inch.
3	120	4 Inch.
2 4-10ths.	96	5 Inch.
2	80	6 Inch.
1 7-10ths.	68 4-7ths.	7 Inch.
1 5-10ths.	60	8 Inch.
1 1-3d.	53 1-3d.	9 Inch.
1 1-5th.	48	10 Inch.
1 1-11th.	43 7-11ths.	11 Inch.
1	40	12 Inch.

VALUE.

Per superficial Foot, from 6 Inches to Inch and Half thick, governed by the Prices per solid Tun of 40 Feet, from *5l.* down to *1l. 15s.*

Price per Tun.	6 *Inches*	5 *Inches*	4 *Inches*	3½ *Inch.*	3 *Inches*	2½ *Inch.*	2 *Inch*	1½ *Inch.*
l. *s.*	*d.*	*d.*	*d.*	*d.*	*d.*	*d.*	*d.*	*d.*
5 0	15 —	12½	10 —	8¾—	7½	6¼	5	3¾
4 15	14¼—	11¾*hf*	9½—	8¼—	7 *hf*	5¾*hf*	4¾	3½
4 10	13½—	10¼	9 —	7¾*hf*	6¾	5 *hf*	4½	3¼*hf*
4 5	12¾—	10 *hf*	8½—	7¼*hf*	6¼*hf*	5	4¼	3 *hf*
4 0	12 —	10	8 —	7 —	6	5	4	3
3 15	11¼—	9¼*hf*	7½—	6½—	5½*hf*	4½*hf*	3¾	2¾
3 10	10½—	8½	7 —	6 *hf*	5¼	4¼	3½	2½*hf*
3 5	9¾—	8 *hf*	6½—	5½*hf*	4½*hf*	4	3¼	2¼*hf*
3 0	9 —	7½—	6 —	5¼—	4½	3¾	3	2¼
2 15	8¼—	6¾—	5 *hf*	4¼—	4 *hf*	3¼*hf*	2½	2
2 10	7½—	6¼—	5 —	4¼*hf*	3¾	3 *hf*	2½	1¾*hf*
2 5	6¾—	5 *hf*	4½—	3¾*hf*	3¼*hf*	2½	2¼	1½*hf*
2 0	6 —	5 —	4 —	3½—	3	2½	2	1½
1 15	5¼—	4¼	3½—	3 —	2½*hf*	2 *hf*	1¾	1¼

Explanation.—To find the value, per superficial foot, seek for the price per Tun solid, in the left hand column, over against which, and under the *Thickness,* you will find the price per superficial foot.

It is to be observed, that where there should happen any fractional parts under *half a farthing* per superficial foot (in this table)—they are excluded, being thought insignificant.

hf stands for half a farthing.

A Mode of ascertaining the Standard Count of any Cess of Plank of different Length, Breadth, and Thickness, practically needful, and agreeable to the Standard of 12 Feet long, 11 Inches broad, and Inch and a half thick each Plank.

It is required to know how many planks, (Standard measure) there must be for 60 planks, each 16 feet Long, 11 Inches broad, and 3 Inches thick.

OPERATION.

1 plank 16 Feet long, and 11 Inches broad, is 14 feet 8 inches.
multiplyed by the ½ inches thick, — 6

product 88
multiplyed by the number of planks, 60

divided by 33)5280(160
33

198
198

0

The answer is 160 planks, Standard Count.

Rule.—Reduce the given Number of planks into superficial half-inch Feet, which Product divided by 33, will give the Standard Count.

Planks.	Thick.	Feet lg	In. bd.	Answer in planks.	Standard Count.
32	1½ inch	15	11	- - - - - 40	
				By the same Rule	
72	2 inchs	14	11	- - - - - 112	
66	2½ inch	16	10½	- - - - - 140	

And so of any other.

A TABLE

Showing the Value of broken Quantities under 100, from 8s. down to 2. 6d. per 100.

Quantities.	8s. 0d.	7s. 6d.	7s. 0d.	6s. 6d.	6s. 0d.	5s. 6d.	5s. 0d.	4s. 6d.	4s. 0d.	3s. 6d.	3s. 0d.	2s. 6d.
	PRICES PER HUNDRED FEET.											
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
90	7 2¼	6 9	6 3½	5 10	5 4¾	4 11¼	4 6	4 0½	3 7	3 1¾	2 8¼	2 3
80	6 4¾	6 0	5 7	5 2¼	4 9½	4 4¾	4 0	3 7	3 2¼	2 9½	2 4¾	2 0
70	5 7	5 3	4 10¾	4 6½	4 2¼	3 10	3 6	3 1¾	2 9½	2 5¼	2 1	1 9
60	4 9½	4 6	4 2¼	3 10¾	3 7	3 3½	3 0	2 8¼	2 4¾	2 1	1 9½	1 6
50	4 0	3 9	3 6	3 3	3 0	2 9	2 6	2 3	2 0	1 9	1 6	1 3
40	3 2½	3 0	2 9½	2 7	2 4¾	2 2¼	2 0	1 9½	1 7	1 4¾	1 2¼	1 0
30	2 4¾	2 3	2 1	1 11¼	1 9½	1 8	1 6	1 4	1 2¼	1 0¾	0 10¾	0 9
20	1 7¼	1 6	1 4¾	1 3½	1 2¼	1 1	1 0	0 10¾	0 9½	0 8¼	0 7	0 6
10	0 9½	0 9	0 8¼	0 7¾	0 7	0 6½	0 6	0 5¼	0 4¾	0 4½	0 3½	0 3
9	0 8½	0 8	0 7½	0 7	0 6¼	0 5½	0 5¼	0 4¾	0 4¼	0 4	0 3	0 2½
8	0 7½	0 7	0 6½	0 6	0 5¾	0 5¼	0 4¾	0 4¼	0 3¾	0 3¾	0 2¾	0 2¼
7	0 9½	0 6¼	0 5¾	0 5¼	0 5	0 4½	0 4	0 3¾	0 3¼	0 3¼	0 2½	0 2
6	0 5¾	0 5¼	0 5	0 4½	0 4¼	0 3¾	0 3½	0 3¼	0 2¾	0 2¾	0 2	0 1¾
5	0 4¾	0 4¼	0 4	0 3¾	0 3½	0 3¼	0 3	0 2½	0 2¼	0 2	0 1¾	0 1½
4	0 3¾	0 3½	0 3¼	0 3	0 2¾	0 2½	0 2¼	0 2	0 1¾	0 1½	0 1¼	0 1
3	0 2¾	0 2½	0 2½	0 2½	0 2	0 1¾	0 1¾	0 1½	0 1¾	0 1¼	0 1	0 0¾
2	0 1¾	0 1¾	0 1	0 1½	0 1½	0 1¼	0 1	0 1	0 0¾	0 0¾	0 0½	0 0½
1	0 0¾	0 0¾	0 0¾	0 0¾	0 0¾	0 0½	0 0½	0 0½	0 0¼	0 0¼	0 0¼	0 0¼

EXPLANATION.—Suppose 93 feet of sawing, at 7s. per 100—opposite 90 you will find 6s. 3½d. and opposite 3, 2½d. making 6s. 6d. and so of any other, by adding the value of the units to that of the tens.

TABLES,

SHEWING THE

VALUE (PER RUNNING FOOT)

OF

SCANTLING,

AT THE FOLLOWING PRICES: viz.

1*s.* 6*d.*—2*s.*—2*s.* 3*d.*—2*s.* 6*d.*—and 3*s.*
Per Foot Solid.

FROM 2 INCHES TO 8½ INCHES

N. B.—All Scantling, more than 8½ Inches, to be charged by the Cube or Foot solid.

☞ In finding the Price of Scantling, have recourse to the different Squares mentioned under the Prices of the Cube Foot, and you will find over against the Squares in Inches, &c. set down in the first Column on the Left-Hand, the Prices of the different Scantlings *per* Running Foot, in Pence and Farthings, agreeable to the prices *per* Cube Foot mentioned at the Top of the Page.

per Cube F.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0

Sqrs.	*2 Inches by*				
	d.	*d.*	*d.*	*d.*	*d.*
2	½	½	½	¾	1
2½	½	¾	¾	1	1¼
3	¾	1	1	1	1½
3½	¾	1	1	1¼	1¾
4	1	1¼	1¼	1½	2
4½	1	1½	1½	1¾	2¼
5	1¼	1½	1¾	2	2½
5½	1¼	1¾	2	2¼	2¾
6	1½	2	2¼	2½	3
6½	1½	2	2¼	2¾	3¼
7	1¾	2½	2½	3	3¼
7½	1½	2½	2¾	3	3¾
8	2	2½	2¾	3¼	4
8½	2	2¾	3	3½	4½
9	2¼	3	3¼	3¾	4½
9½	2¼	3	3½	3¾	4¾
10	2½	3¼	3½	4	5
10½	2½	3½	3¾	4¼	5½
11	2¾	4¼	4	4½	5½
11½	2¾	4¾	4¼	4¾	5¾
12	3	4	4½	5	6

Sqrs.	*2½ Inches by*				
	d.	*d.*	*d.*	*d.*	*d.*
2½	¾	1	1	1¼	1½
3	¾	1¼	1¼	1½	1¾
3½	1	1¼	1½	1½	2
4	1¼	1½	1¾	2	2½
4½	1¼	1¾	1¾	2	2¾
5	1½	2	2¼	2½	3
5½	1½	2¼	2¼	2½	3¼
6	1½	2½	2½	3	3¾
6½	2	2½	2¾	3	4
7	2	2¾	3	3¼	4¼
7½	2¼	3	3¼	3¾	4½
8	2½	3¼	3½	4	5
8½	2½	3¼	3¾	4	5¼
9	2¾	3¾	4	4¼	5¾
9½	2¾	3¾	4¼	4½	5¾
10	3	4	4½	5	6¼
10½	3¼	4¼	4¾	5	6½
11	3¼	4½	5	5¼	6¾
11½	3½	4¾	5¼	5¾	7
12	3¾	5	5½	6¼	7½

per Cube F.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0

Sqrs.	*3 inches by*				
	d.	*d.*	*d.*	*d.*	*d.*
3	1	1½	1½	1¾	2¼
3½	1¼	1¾	2	2	2½
4	1½	2	2¼	2½	3
4½	1½	2¼	2½	2¾	3¼
5	1¾	2½	2¾	3	3¾
5½	2	2¾	3	3¼	4
6	2¼	3	3¼	3¾	4½
6½	2½	3¼	3½	4	4¾
7	2½	3½	3¾	4¼	5¼
7½	2¾	3¾	4	4½	5½
8	3	4	4½	5	6
8½	3	4½	4¾	5¼	6¼
9	3¼	4½	5	5½	6¾
9½	3½	4¾	5¼	5¾	7
10	3¾	5	5½	6¼	7½
10½	3¾	5¼	5¾	6½	7¾
11	4	5½	6	6¾	8¼
11½	4¼	5¾	6¼	7	8½
12	4½	6	6¾	7½	9

Sqrs.	*3½ Inches by*				
	d.	*d.*	*d.*	*d.*	*d.*
3½	1½	2	2¼	2½	3
4	1¾	2¼	2½	2¾	3½
4½	1¾	2½	2¾	3	3¾
5	2	2¾	3	3½	4¼
5½	2¼	3¼	3½	4	4¾
6	2½	3½	3¾	4¼	5¼
6½	2¾	3¾	4	4½	5½
7	3	4	4½	5	6
7½	3¼	4¼	4¾	5½	6½
8	3½	4½	5	5¾	7
8½	3½	4¾	5¼	6	7¼
9	3¾	5¼	5¾	6¼	7¾
9½	4	5½	6	6¾	8¼
10	4¼	5¾	6½	7¼	8¾
10½	4½	6	6¾	7½	9
11	4¾	6¼	7	7¾	9½
11½	5	6½	7¼	8½	10
12	5¼	7	7¾	8¾	10½

per Cube F.	s. d. 1 6	s. d. 2 0	s. d. 2 3	s. d. 2 6	s. d. 3 0
Sqrs.	4 Inches by				
	d.	d.	d.	d.	d.
4	2	2½	3	3¼	4
4½	2¼	3	3¼	3¾	4½
5	2½	3¼	3½	4	5
5½	2¾	3½	4	4½	5½
6	3	4	4½	5	6
6½	3¼	4¼	4¾	5¼	6½
7	3½	4½	5	5¾	7
7½	3¾	5	5½	6¼	7½
8	4	5½	5¾	6½	8
8½	4¼	5½	6¼	7	8½
9	4½	6	6½	7¼	9
9½	4¾	6¼	7	7¾	9½
10	5	6½	7¼	8	10
10½	5¼	7	7¾	8½	10½
11	5½	7¼	8¼	9	11
11½	5¾	7½	8½	9½	11½
12	6	8	9	10	12

Sqrs.	4½ Inches by				
	d.	d.	d.	d.	d.
4½	2½	3¼	3¾	4¼	5
5	2¾	3¾	4	4½	5½
5½	3	4	4½	5	6
6	3¼	4¼	5	5½	6¾
6½	3½	4¾	5¼	6	7¼
7	3¾	5¼	5¾	6¼	7½
7½	4	5½	6	6¾	8¼
8	4½	6	6½	7¼	9
8½	4¾	6¼	7	7¾	9½
9	5	6¾	7½	8¼	10
9½	5¼	7	7¾	8½	10½
10	5½	7¼	8¼	9	11½
10½	5¾	7¾	8½	9½	11¼
11	6	8¼	9	9¾	12¼
11½	6¼	8½	9¼	10¾	12¾
12	6¾	9	10	11	13½

per Cube F.	s. d. 1 6	s. d. 2 0	s. d. 2 3	s. d. 2 6	s. d. 3 0
Sqrs.	5 Inches by				
	d.	d.	d.	d.	d
5	3	4	4½	5	6¼
5½	3¼	4½	5	5½	6¾
6	3¾	5	5½	6¼	7½
6½	4	5¼	6	6½	8
7	4¼	5¾	6½	7¼	8¾
7½	4½	6¼	6¾	7½	9¼
8	5	6½	7¼	8	10
8½	5¼	7	7¾	8½	10½
9	5½	7½	8¼	9¼	11¼
9½	5¾	7¾	8¾	9½	11¾
10	6¼	8¼	9¼	10¼	12½
10½	6½	8¾	9½	10½	13
11	6¾	9	10	11	13¾
11½	7	9½	10½	11½	14¼
12	7½	10	11	12½	15

Sqrs.	5½ Inches by				
	d.	d.	d.	d.	d.
5½	3¾	5	5½	6¼	7½
6	4	5½	6	6¾	8¼
6½	4½	5¾	6½	7¼	8¾
7	4¾	6¼	7	7¾	9½
7½	5	6¾	7½	8¼	10¼
8	5½	7¼	8	9	11
8½	5¾	7¾	8½	9¼	11½
9	6	8¼	9	10	12¼
9½	6½	8½	9½	10½	13
10	6¾	9	10	11¼	13¾
10½	7	9½	10½	11½	14¼
11	7½	10	11	12	15
11½	7¾	10½	11½	12¾	15¾
12	8¼	11	12¼	13¾	16½

per Cube F.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0
Sqrs.	6 Inches by				
	d.	d.	d.	d.	d.
6	4½	6	6¾	7½	9
6½	4¾	6½	7¼	8	9¾
7	5¼	7	7⅞	8½	10½
7½	5½	7½	8¼	9	11¼
8	6	8	9	10	12
8½	6¼	8½	9½	10½	12¾
9	6¾	9	10	11¼	13½
9½	7	9½	10½	11¾	14¼
10	7½	10	11¼	12½	15
10½	7¾	10½	11¾	13	15¾
11	8¼	11	12¼	13¾	16½
11½	8½	11½	12⅞	14	17¼
12	9	12	13½	15	18

Sqrs.	6½ Inches by				
	d.	d.	d.	d.	d.
6½	5¼	7	7⅞	8¾	10½
7	5½	7½	8¼	9¼	11¼
7½	6	8	9	10	12
8	6½	8½	9¾	10¾	13
8½	6¾	9	10¼	11¼	13¾
9	7¼	9¾	10¾	12	14½
9½	7½	10¼	11½	12¾	15¼
10	8	10¾	12	13¼	16¼
10½	8½	11¼	12⅞	13¾	17
11	8¾	11¾	13	14¼	17¾
11½	9¼	12¼	13½	15	18½
12	9¾	13	14½	16¼	19½

Sqrs	8 Inches by				
	d.	d.	d.	d.	d.
8	8	10½	12	13¼	16
8½	8½	11¼	12⅞	14	17
9	9	12	13½	15	18
9½	9½	12¾	14	15¾	19
10	10	13¼	14¾	16½	20
10½	10½	14	15¾	17½	21
11	11	14½	16½	18¼	22
11½	11½	15¼	17	19	23
12	12	16	18	20	24

per Cube F.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0
Sqrs.	7 Inches by				
	d.	d.	d.	d.	d.
7	6	8	9	10	12¼
7½	6½	8¾	9¼	10¾	13
8	7	9¼	10¼	11½	14
8½	7¼	9¾	10¾	12	14¾
9	7¾	10½	11¾	13	15¾
9½	8¼	11	12¾	13¾	16½
10	8¾	11½	13	14½	17½
10½	9	12¼	13¾	15¼	18¼
11	9½	12⅞	14¼	16	19¼
11½	10	13¼	15	16¾	20
12	10½	14	15⅞	17½	21

Sqrs.	7½ Inches by				
	d.	d.	d.	d.	d.
7½	7	9¼	10½	11¾	14
8	7½	10	11¼	12½	15
8½	7¾	10½	11¾	13	15¾
9	8¼	11¼	12½	14	16¾
9½	8¾	11¾	13¼	14¾	17¾
10	9¼	12½	14	15½	18¾
10½	9¾	13	14¾	16¼	19½
11	10¼	13¾	15¼	17	20½
11½	10¾	14¼	16	17¾	21½
12	11¼	15	16¾	18¾	22½

Sqrs.	8½ Inches by				
	d.	d.	d.	d.	d.
8½	9	12	13½	15	18
9	9½	12¾	14¼	15¾	19
9½	10	13¼	15	16½	20
10	10½	14	15¾	17½	21¼
10½	11	14¾	16½	18½	22¼
11	11½	15¼	17¼	19¼	23¼
11½	12	16¼	18¼	20¼	24¼
12	12½	17	19	21¼	25½

TIMBER

MEASURING.

TIMBER MEASURING.

THE many Difficulties which often arise between Buyer and Seller occasion the following observations, viz.

1st. Bark of any Kind should be allowed for, not being Timber.

2d. Allowance should be made for rotten Knots, Cup and Starshakes, Piepeks, Dozes, Ingalls, Worm Holes, Hollows, Welts, Fork'd and Stubshud Ends, Speckles and Ringstreaks;—but for freight, or the like, measure to the full.

3d. In measuring Mahogany Logs, take Care to allow for the Sap of the Wanes, and where they are of a large Size, considerations should be made for the Kerf of the Saw.——Nothing under ½ an Inch is measured in the Thickness.

4th. In girthing Timber fresh off the Water, draw the line tight on the Piece, and lay it slack on the Rule.

5th. Nothing under 6 Inches Girth should be measured unless by Agreement.

6th. Flat Dantzick Logs resembling Flitches should not be girthed, as the Buyer would not in that Case have Value for his Money;—But the best way would be to form the Dimensions by Breadth and Depth.

7th. In measuring Knees for Ship-Building, take the Dimensions of each Arm Separate.

8th. In all Kinds of Timber a reasonable Allowance should be made for the Sap.

9th In girthing Timber, many will insist upon the Centre of the Piece to be the right Place; so it may, if it be regular in its form; but if there be a Swell or Bulge in that Spot, the Measurer has Liberty to incline nearer to the But, or divide the Girths, by taking it in two or more Places, which has been the Practice for many Years, and where Timber is not quite equal in its Sides, Allowance should be given in the Girth, to make it a regular Quadrangle.

10th. Measuring with Calapers is erronious, unless the piece be equally Square in its Sides.

INSTRUCTIONS.

1728 Cubical Inches,	make	One Cubical Foot.
144 Square Inches,		One Square Foot.
50 Feet solid round Timber,		One Tun.
40 Feet solid square Timber,		One Tun.
1 Cubical Yard,		27 Cubical Feet.

Solid (round or square) Timber, where it is regular in its Form.

Admit a piece 20½ feet long, by 10¼ inches square, (which is ¼ of the line containnd round the same) required the solid contents in feet.

OPERATION.

RULE.

Multiply the square by the square in inches, &c. and that product by the length in feet, &c. which last product divided by 144 gives the solid feet required.—Divide the remainder by 12, for inches

Take care to point off your decimal parts.

Note 25 is the decimal of ¼.

50 is the decimal of ½.

And 75 the decimal of ¾ of any thing.

```
                In.Pts.
                10.25 }
                10.25 } Square.
                ------
                 51.25
                205.0
               10250
               -------
               10506.25
                  20.5  length.
               -------
               5253 12 5
              210125 00
              ---------
144)2153(78.12.5)14 feet
  144
  ---
  713
  576
  ---
12)137(11 inches.
  132
  ---
  5 twelfths.
```

Or 14 feet ¾ solid, and so of any other.

In Superficial Measure.

Multiply the length in feet by the breadth in inches, which product divide by 12, and you will have the superficial (or square) feet required; the remainder is inches.

EXAMPLE. A plank or board 24½ feet long, by 13 inches broad, required the superficial feet.

OPERATION.

OPERATION.

24½ Feet long.
13 inches broad.

72
246½

12)318½

Feet 26 6½ inches superficial, and so of any other.

Unequal-sided Timber.

A piece of Timber 26½ feet long, 18½ inches broad, and 14½ inches thick, how many solid feet?

OPERATION decimally.

RULE.
Multiply breath and thickness together in inches and half inches, and that product by the length in feet, which when done, divide by 144, cutting off so many decimal figures as there are in the operation, and the content will appear in solid feet; the remainder divided by 12, gives inches &c.

In.Pts.
18.5 broad.
14.5 thick.

92.5
740
185

2682.5
26.5 length.

13412.5
160950
53650

Ft. In. 12ths.
144(7108.625)49 4 4 solid.
576

1348
1296

12 | 52 |
Inch. 4 4 12ths, or 49¼ feet solid.

Triangular

Triangular Timber.

A piece of Timber whose sides are triangular, viz. the base 26 inches, perpendicular 17½ inches, and the length 12 feet, how many solid feet contained?

OPERATION.

RULE.
Multiply base by perpendicular in inches, and one half the product by the length in feet, which when done, divide by 144, gives the number of solid feet contained. Divide the remainder by 12, for the inches.

Inches.
26 base.
17½ perpendicular.

182
26
13

455 product.

227½ half the product.
12 length.

Ft. In. 12ths solid.
144 | 2730 | 18 11 6 Ans.
144

1290
1152

12 | 138 |
11.6
or 18¾ feet solid.

Mahogany.

A Mahogany log 25½ inches broad, 16 inches thick, and 15½ feet long, how many superficial inch feet?

RULE.—Multiply breadth by depth in inches, and that product by the length in feet, which last product, divided by 12, gives the superficial inch feet required.

OPERATION.

OPERATION.

Inches.
25½ breadth.
16 thick.

150
258

408
15½ feet in length.

2040
408
204

12 | 6324 |

527 superficial inch feet. Ans.

If you want to know the solid feet contained, divide the superficial inch feet by 12 and the quotient will be 43 feet 11 inches solid, or 43 feet and ¾. So of any other.

Sawyers Work,

Measured with a Line.

Admit 34 feet 6 inches line by 9½ feet long.

RULE. Multiply line by length in feet and inches, gives the product required.

OPERATION.

RULE.
Measure off your several cuts alternately with a line, which afterwards measure on the rule.

	Ft.	In.
Line	34	6
Long	9	6
	310	6
	17	3
Feet of sawing	327	9

and so of any other.

OF

BUILDERS WORK.

THE

PRICES AND CUSTOMS

OF THE SEVERAL

ARTIFICERS WORK,

RELATING TO

BUILDING,

When finished in a masterly manner, of the best Materials,

Otherwise it does not deserve the price.

CARPENTERS WORK.

ROOFING and Flooring are measured by the square of 10 feet each way, 100 square feet being one square of work.

EXAMPLE. A piece of work 96 feet 3 inches by 21 feet 3 inches, required the number of squares contained therein?

OPERATION.

RULE. Multiply the given dimensions together in feet and inches, which product divided by 100 (by cutting off the figures to the right) will give the squares required.

Ft.	In.	
96	3	
21	3	
96		
192		
5	3	
24		parts
		9

1(00)20(45 3 9

Answer, 20 squares 45 feet 3¾ inches.

In

In roofing, measure flat and half if regularly pitched; otherwise take the length of the rafter from out to out of the wall plates, adding the thickness of the wall plates; which when doubled, multiply by the depth of the house.

No deduction is made for chimney shafts or sky-lights.

In flooring, deduct for stair-cases and hearths, and allow for the joists in one wall.

Wainscot doors and trimming of windows, by the square yard of 9 square feet.

EXAMPLE. A piece of work 14 feet 6 inches by 10 feet 3 inches, required the square yards contained?

OPERATION.

RULE. Multiply the given dimensions together, which product divided by 9 will give the square yards contained.

Ft.	In.
14	6
10	3
140	
5	
3	6
	1 . 6

9)148 . 7 . 6

Yards 16 4 Ft. 7 In. 6 Pts.
or 16½ yards.

For allowances in wainscot of different kinds, see page 87.

Measure your sashes in the clear of the frames, and when you measure sash and frame together, take from out to out of the frame, always adding the lapp'd rail.

Boarding measured in the clear of the walls, deducting for chimneys and hearths.

Cieling and flooring joists measured the full length; no deduction on account of hearths.

In coach-house gates and frames,—if the jaumbs of the gate be 6 inches by 9 inches, the breastsomer or head must be 9 inches by 10, and the gate inch and half thick.

Sashes, bridging, and boarding under lead, by the square foot.

Stair cases, by the story.

Outside door-cases, sash-frames, columns, pillasters, cartouch-brackets to stair-steps, curbs, &c. by the piece.

Ovella mouldings, cornices, architraves, base surbase, plinth, spring-boards, hand-rails, bridging between joists, saddles and staffs to quoins, pallisadoes, rack and manger, trunks, gutters, and the like, running measure.

PRICES OF CARPENTERS WORK,

FURNISHING ALL MATERIALS.

Prior to 1st of April, 1806.

FRAMED roofing, with king posts, girders 12 inches by 9 inches, and principal rafters 12 inches at bottom and 10 inches at top, and 9 inches thick, with 6 braces to ditto.—The principal rafters about 10 feet asunder, with iron straps, bolts, and purloins 9 inches square; tumbled in, and common rafters 4½ inches by 2 inches of the best red fir 7l. 10s. to 8l 10s.

Roofing with collar braces, the rafters from 12 to 18 feet, 2½ inches thick, 6 inches at bottom, and 5 at top, 54s. to 64s.

Common roofing, the rafters 5 inches by 2 inches, 37s. to 40s.

per square.

Bridging and boarding under lead, 12d. per superficial foot.

Ceiling joists 4½ inches by 1½ inch, 25s. to 30s.

Studd (or quartered) partitions, ditto.

Truss partitions, 38s. to 44s.

Joists and floor in parlour and principal rooms, the joists 10 inches by 2 inches, floor of inch and half plank, dowelled, 8l. to 10l.

Joists and floor with moss deals, inch and half, with trimmers 2¼ inches thick, dowelled, 6l. 10s. to 7l. 5s.

Ditto nailed, 6l. to 6l. 15s.

Joists and floor in third story, the joists 10 inches by 2 inches, and flooring inch thick, of moss deals, laid straight joint, 5l. 5s. to 5l. 16s.

Joists and floor with common deals, 4l. 10s. to 5l.

Broken joint floor and joists, 4l. to 4l. 5s.

Counter boarding between joists, 23s. to 28s.

per square.

Bridging between joists, 5d. to 6d. per running foot.

N. B. Ties and bond timber to be reduced to 3 by 4 square, and charged 5d. per running foot.

And all wrought scantling above 12 inches square, to be charged 5s. 6d. per cube foot.

Circular head sash frames, 10 feet by 4 feet, or 10 feet by 4 feet 6 inches, about 28s.

Square ditto, 9 feet by 4 feet, 16s. to 18s.

Ditto, 6 feet 6 inches by 3 feet 6 inches, 14s. to 16s.

Small sash frames, 11s. 4d½. to 13s.

each.

Fitting.

Furnishing all Materials.

Fitting, ranging, and bedding of sash frames, 2s. 6d. to 3s. 6d. each.
Sashes made in the best manner and new taste, dowelled, franked and tapered, 15d. to 18d.
Common sashes, 12d. to 13d.
Alderiga sashes with iron rabbets, mahogany body and brass bedes, 2s. 8d. to 3s. 3d.
Mahogany sashes, 2s. 8d, to 3s.
Oak ditto, 2s. 6d. } per foot.

Framed wainscot doors, and trimming of windows, 7s. to 7s. 6d.
Plain wainscotting, 6s. to 6s. 6d.
Oak wainscotting done in a superior manner, and finished of the best materials, 19s. to 1*l*. 2s. 9d.
Mitre framing, 7s. 6d. to 8s. } per yard.

Bede molding on deal wainscot, 2d½.
Base molding and plinth, 9d. to 13d.
Common surbase, 7d. to 8d.
Surbase with raised moldings thereon in the new taste, 10d. to 11d.
Ditto with one enrichment beded, 11d. to 12d.
Surbase with flutting and pateras on the face, 16d.
Ground work for base and surbase, 4d.
Plain architraves to garrets, 7d. to 8d.
Architraves double faced and raised, 12d. to 13d.
Ditto with 2 enrichments, 18d. } per foot.

Setting in pulley boxes, 8d. to 9d. per pair.
Pendulum slips between weights, 2d. to 2d½.
Parting slips between sashes, fir, 3d.
Ditto oak, 4d.
Shop frames, admitting the breastsomer 14 inches by 12 inches, a corner post of 14 inches, with uprights and interstaces in proportion, 13s. to 14s.
Fillet gutters, 18d. to 20d.
Trunks, 5 inches, pitched and put up, ditto. } per running foot.

Mahogany curbs round hearth-stones, 16s. to 18s.
Oak ditto ditto 10s.
Deal ditto ditto 6s. to 6s. 6d.
Rabbetted and beded outside door cases, 4 inches by 5. 16s. to 18s. } each.
N. B. Cellar doors, and stuck and rabitted doors, go by measurement.

Mahogany carved cartouche brackets (according to the design) to the end of open newell stair steps, 3s. 6d. to 5s. } each.
Ditto plain, 2s.
Molded skirting, 5d. to 5d½.
Mahogany bede and ovella moldings round chimney-pieces, 16d.
Deal ditto, 7d. to 8d.
Spring board, 4d.
Fir pallisadoes in best manner, 7s. to 7s. 7d.
Smaller ditto, also chinese railing, 6s. to 6s. 6d.
Saddles to quoins, 4d. to 5d.
Stalls to ditto, 2d½. to 3d.
Rack and manger with solid oak breast and knees,—ash staves turned, 15s. to 16s.
Plain ditto, 12s. to 12s. 6d. } per running foot.

Furnishing all Materials.

N. B. Coach-house gates go by measurement.

Mahogany handrails to geometrical stairs, ramped on circular base, with volute at bottom, and screwing the iron ballusters, 7s. to 9s. } per foot.

Oak ditto, done in same manner, 6. to 7s. } per foot.

Grand stairs, done in a superb manner, in mansion-houses, from 50 to 70 guineas, or more according to the design, } per story.

Grand stairs, in private houses, 20 to 35 guineas, } per story.

Quaker-stairs, from 10 to 15 guineas, } per story.

Dog-leg'd-stairs, from 8 to 12 guineas, } per story.

Garret and cellar stairs, from 5 to 7 guineas, } per story.

N. B. Stairs being various, according to the plan and height of stories, should be valued accordingly, by men of judgment.

PRICES OF CARPENTERS WORK,

WORKMANSHIP ONLY.

Framed roofing, according to the span, from 28s. to 32s.
Roofing with collar braces, shouldered and let in, 9s. to 9s. 9d.
Common roofing, 8s. to 8s. 8d.
Ceiling joists, 4s. to 4s. 4d.
Studd portitions, ditto.
Laying flooring and joists, the plank dowel'd, 28s. to 29s.
Straight joint flooring and joists nailed down with brads, 15s.
Counter flooring, 4s. 4d. to 5s.
Broken joint floor and joists, 10s. to 11s. 4d½. } per square.
Bridging between joists, 2d½. per running foot.
Making compass sash-frames, according to size, 10s. 10d. to 11s. 4d½.
Large sash-frames, double morticed, 6s.
Common ditto, 3s. 9d½. to 4s. 6d. } each.
Bedding large sash-frames, 2s. 6d.
Ditto small, ditto 1s. 3d.
Sashes made in the newest taste, and best manner, 7d½.
Common astragal sashes, 6d½. } p. foot.
Ovala, ditto, 5d½.
Setting in pullie-boxes, 8d. to 9d. per pair.
Wainscoat doors, and trimming of windows, to 1st and 2nd principal stories, 4s. to 4s. 4d. } p. yard
Ditto attic, garret and kitchen story, 3s. 6d.
Base and surbase, 4d½. to 5d.
Laying raised mouldings on ditto, or putting on composition, 1d more additional,
Ground-work under ditto, 2d.
Plain skirting, 2d½. to 3d.
Plain archatrives with mouldings in attic and garret stories, 4d½.
Double-faced and raised architrives with mouldings, 8d. } per running foot.
Ditto with two enrichments, 10d.
Door-cases, rabbitted and stuck, 4s. 8d. to 5s.
N. B. Doors rabbitted, stuck and ledged go by measurement.
Mahogany carved cartouche brackets to the end of open newel stair steps, according to the design, 1s. 4d. to 2s.
Mahogany curbs round hearth-stones, 6s. 6d.
Oak ditto, round ditto, 5s. } each.
Bridging and boarding under lead, 5d. per superficial foot.
Trunks and gutters, 7d.
Spring-board, 1d½.
Saddles to quoins, 3d.
Staffs to ditto, 1d½.
Half hand-rail, 6d. Base 5d.
Circular rail, 1s. Circular base, 8d.
Mahogany hand-rails to geometrical stair steps, and screwing the iron ballusters, 2s. 8d½. to 3s. 6d.
Oak ditto to ditto, and screwing ditto, 2s. 6d. to 2s. 9d. } per running foot.

Open

Workmanship only.

Open newel stairs, with mahogany hand-rails, ramped and kneed, with a scrole at bottom, according to the grandeur and magnificence of the design, from 10 guineas to 25l.

Open newel stairs, with deal hand-rails, ramped and kneed, according to the design, 5l. to 8l. 10s.

Dog-legged stairs, 3l. to 3l. 10s.

} per story.

Hall door, according to size, framed, lined and hanging stiles, 2l. to 2l. 10s.

Gates and cases rabbited and stuck, 4s. 8d. to 5s.

Rack and manger with solid oak breast and knees, 4s. 8d. to 5s. 5d.

Fir pallisadoes and chinese rails, 3s. 4d. to 4s. 4d.

} p. foot.

All circular work, double work.

PROPORTIONS OF SCANTLING.

Denominations.	Length or Height in Feet.	Scantlings in inches, &c.		
Sills,	18	4½	by	10
	20	5½		11
	25	6		12
Uprights for shop frames,	7½	5	by	10
	9	6		11
	10	7		12
Interstices,	5	3½	by	10
	6	4		11
	8	5		12
Breastsomers,	18	11	by	10
	20	12		11
	25	14		12
Thorough Joists,	12	1¾	by	7
	16	1¾		9
	20	2		10
Ceiling Joists,	12	1¼	by	3
	16	1½		4½
	20	1¾		5
Cellar beams,	Much the same as ceiling joists, or very little less.—Some chose to leave them equal to the ceiling joists.			
Wall plates,	18	2	by	5
	20	2½		6
	25	3		6½
Thorough rafters,	10½	1½	by	4 at bottom and 3½ at top.
	12	1¾		4½ ditto, and 4 ditto.
	13½	2		5 ditto, and 4 ditto.
Hips,	11½	2	Thickness.	The breadth must be equal to the bevil-cut of the creeping-rafter.
	13½	2¼		
	16½	2½		
Ridge poles,	Inch thick, the breadth thereof to be equal to the bevil-cut of the top of the rafter.			

SCANTLINGS.

For a framed roof of 50 feet span.

Girders, 13 inches by 9, and framed to camber in themselves.
Principals, 12 inches at bottom and 8 inches at top.—9 inches thick.
King Posts, 12 inches by 9 inches.
Purloins, from 8½ inches to 9 inches square.
Strut braces, from 7 inches to 9, by 6 inches.
Rafters, 6½ inches at foot, and so taper to 5 inches at top, by 2½ inches thick.
Wall plates, 10 inches broad, by 4½ to 5 inches thick.
Bond plates under girders, 6 inches by 10 inches.

For a lesser span, such as from 24 to 26 feet, viz.

Girders, 12 inches by 6 inches.
Principals, 10 inches at bottom and 6½ at top, 6 inches thick.
King Posts, 12 inches by 6 inches.
Purloins, 7 inches square.
Rafter, 5½ inches by 4 inches, 2½ inches thick.
Strut braces, 5 inches by 6 inches.
Wall plates and bond plates, as above mentioned.

The present customs of Wainscotting, under the following heads, viz.

Doors framed.

Inside doors framed, stuck, and pannels raised on both sides, the framing inch and ½ thick, containing 5 pannels or upwards, double work.

The pannels of ditto, raised on one side and flat on the other, work and ¼.

Five panneled doors or upwards, the framing inch and ¼ thick, both sides flat pannels, double work.

The pannels of ditto, raised on both sides, inch and ¼ thick,—two works and a ¼.

Four panneled doors stuck on both sides, inch and ½ thick,——work and ¼,——but if stuck on one side and square on the other, work and ½, with an additional ¼ work in case the pannels are raised on both sides.

Window

Window shutters framed.

Molded on both sides, from inch and $\frac{1}{4}$ to inch and $\frac{1}{2}$ thick,—double work, ——and if stock on front and square at back, work and $\frac{3}{4}$,——and if bede and flush at back, two works and a $\frac{1}{4}$,——and for every eighth of an inch increase in thickness, add one-eighth of work;——and if but 10 inches and under in breadth, $\frac{1}{4}$ work to be added more to the measurement, as a compensation for extra workmanship.

All back leaves framed square, from inch and $\frac{1}{4}$ to inch and $\frac{1}{2}$ thick, work and $\frac{1}{2}$.

Back leaves from $\frac{3}{4}$ inch to an inch thick, work and $\frac{1}{4}$, and for every eighth of an inch increase in thickness, one eighth to be added to measurement.

Allowance to the workman for all framed window shuts.

Wainscot framed.

From inch and $\frac{1}{2}$ to inch and $\frac{1}{4}$, framed and stuck on one side and flush on the other, with slit deal pannels, allowed work and $\frac{1}{2}$,—and when framed square, from inch to inch and $\frac{1}{2}$ thick of slit deal pannels, mullited and planed on both sides, work and $\frac{1}{4}$.

Pannels of slit deal planed on both sides and glued, or where partitions are grooved, work and $\frac{1}{4}$, provided the stile be equal to quarters two in a board of whole deal.

Framed wall work, returned work and $\frac{1}{4}$; and if framed bede and flush, work and $\frac{1}{2}$.

Battened pannels.

Of slit deal, ledged, work and $\frac{1}{2}$.

Ditto, not ledged, work and $\frac{1}{4}$.

Pannels, from inch to inch and $\frac{1}{2}$ thick, battened and ledged, work and $\frac{3}{4}$

The like not ledged, work and $\frac{1}{2}$, and if Dutch battened, double work.

Ledged doors,

Rabbeted and moulded, from $\frac{3}{4}$ inch to inch thick, work and $\frac{1}{4}$; and for one eighth increase in thickness, add one eighth in work.

Bede

Bede and flush.

From inch and ¼ to inch and ¼ thick, pannels inch thick, the framing grooved and stuck on one side, work and ¼.
If stuck on both sides, double work.

N. B. Add one fourth more if both sides are flush.

Tables, Dressers and Shelves,

Planed on both sides from ¼ to inch thick, to be measured single measurement, and for every eighth of an inch increase in thickness, one eighth to be added in work.—All bearing slips under shelves are running measure

Cornices, or any other moldings thereunto belonging, are running measure.

A Resolution of the Corporation of Carpenters In the Year 1793.

Resolved,

THAT any person who may be employed to make plans or estimates, shall be paid at the rate of two per cent. for the amount of his estimate, if he should not be employed in the performance of the work.

And in case he should be so employed, he shall be then entitled to the sum of five pounds per cent. upon all the works performed under his direction, or by his plans, except that part which may be his own particular branch, and upon which he may have profits in the course of the work. And if such person should be employed in the country, he shall be entitled to six per cent. and his travelling expences.

Signed by Order,

EDWARD FISHER,
Guild Clerk.

(A Copy)

BRICKLAYERS WORK.

THE chief part whereof is measured by the perch, being 21 feet long, nine inches thick, and one foot high.

EXAMPLE. A piece of work 66 feet long, 20 feet 6 inches high, and 28 inches thick, how many perches contained therein?

RULE.

Multiply length by height in feet and inches, and that product by the inches in thickness, which last product divided by 9, and that quotient by 21, will give the perches sought, standard measure in Ireland. But when the thickness is 9 inches only multiply the given length and height together, and divide by 21, for perches.

OPERATION.

Ft.	In.	
66	0	Length.
20	6	Height.
1320		
33		
1353		
28		Inches thick.
10824		
2706		
9 | 37884		
21 | 4209	3	

Answer. Perches, 200, 9 f. 3 in.

Chimnies.

Are measured as solid. In measuring angle chimneys, multiply the height of the story by the breast, take ½ of the breast for the thickness, take length, breadth, and thickness of the shaft; reduce all into 9 inch work.

Customs.

For 4 inch walls, 2 thirds of 9 inch work is allowed.
For 3 inch walls, half of 9 inch work.
Centering in sewer vaulting, ¼ of arch is allowed.
Ditto in groind vaulting, the whole arch is allowed.
Pargetting of funnels, by the running foot, or per funnel, as may be agreed upon.
Arches, by the piece.
Topping of chimneys, splayed jaumbs, eve courses, cant quoins, and the like, by the running foot.

Flooring

Flooring with bricks or tiles, also rough cast dashing, by the square yard.

Additional work to stock brick fronts, also dashing on stone walls, by the perch.

Brick pointing, setting window stools and coping, also hammered stone piers, by the superficial foot.

In rough stone work.

Twenty-one feet long, 12 inches high, and 18 inches thick, make a perch.

Multiply in like manner as before directed, i. e. length and height together, in feet and inches, and that product multiply by the inches in thickness, which last product divided by 18, and that quotient by 21, gives the perches contained. But when the thickness is 18 inches only, multiply the given length and height together, and divide by 21 for perches:

N. B. One thousand of any common bricks (mortar and work will make four perches and ¼ of work.

Two hundred and thirty-six bricks (mortar and work,) will make a perch.

PRICES OF BRICKLAYERS WORK,

Furnishing all Materials.

Stone walls, reduced to standard thickness, 12s. 6d. to 13s.
Brick walls, ditto 13s. to 13s. 6d.
Ditto, mortar and work, 6s. 6d. to 7s.
Vaulting, 13s. to 13s. 6d.
Centring under arches, mortar and work, 6s. to 6s. 9d.
Red stock brick fronts, 1l. 2s. 9. to 1s. 4s,
Grey stock brick ditto, 17s. to 18s.
} per perch.

Grey stock brick flooring, 4s. to 4s. 6d.
Place brick ditto, 3s. 3d. to 3s. 9d,
Tiling of floors, 5s. 6d. to 6s.
Plain dashing on walls, 4d. to 5d.
Rough cast dashing, ditto, 8d. to 9d,
} per yard.

Pargetting of funnels, 5d. per running foot, or about 20s. per funnel, as may be agreed on.

Stock brick.
Foot arches, over doors and windows, 4s. 4d. to 6s.
Eighteen inch arches, 6s. 6d. to 7s. 7d.
Circular arches, over doors and windows, according to girt, 8s. 8d. to 11s. 4d½.
Eliptic arches, over gates, according to base, 17s. to 1l. 2s. 9d.
} each.

Foot

Furnishing all Materials.

Place brick.
- Foot arches, 3s. to 3s. 4d.
- Eighteen inch arches, 4s. to 4s. 4d.
- Scheme arches over openings, 2s. to 2s. 6d.
- Four inch arches, 1s. 4d:
- Counter arches over chimneys, doors, &c. 3s. 6d. to 3s. 9d.
- Eliptic arches over gates, 12s. to 15s.
- Brick trimmers under hearths, 5s. 6d. to 6s: } each.

Splayed jaumbs and cant quoins to windows, 3d. to 3d½. per running foot.

Kitchen grates according to magnitude, 18s. to 1l. 2s. 9d.
Metal ovens, boilers, and hot plates, according to size or quantity contained therein, 1l. 14s. 1d½. to 2l. 5s: 6d.
Stew holes, 8s. 1d½.
Bath stoves, 10s. to 12s.
Quaker grates, 8s. to 10s.
Setting register grates, 11s. 4d½: to 15s.
Wine binns, grey stock, (arched) according to size, 12s. to 15s.
Ditto, place brick, (arched) } each.

Topping of chimneys, exclusive of pulling down, four inches, 3s. 4d. to 3s. 8d.
Ditto, nine inches, 4s. 4d. to 4s. 8d. } per running foot.

Brick potting to chimneys, nine inches, 3s. 3d.
Ditto, fourteen inches, 4s. 4d.
Ditto, eighteen inches, 6s. 6d. } each.

Stock brick pointing on fronts, 6d. to 7d.
Place brick ditto on chimneys, &c. 3d½. to 4d.
Setting, coping and window stools, 3d. to 4d.
Hammered stone piers, 7d. to 8d. } per superficial foot.

Sewers, from twelve to eighteen inches, flagged at top and bottom, 2s. 6d. to 3s. per runing foot.

N. B. All openings deducted from stuff.

PRICES OF BRICKLAYERS WORK,

WORKMANSHIP ONLY.

Stone walls, reduced to standard thickness,
Brick walls, ditto,
Vaulting, ditto,
Centring under arches, } 2s. 4d. per perch

Additional work to stock brick fronts, 4d. per superficial foot.

Stock

WORKMANSHIP ONLY.

Stock brick flooring, 12d. to 15d.
Place brick ditto, 10d. to 11d.
Tile flooring (rubbed), 15d. to 17d.
Dashing of walls, 2d½. to 3d.
Roughcast dashing on walls, 5d. to 6d. } per yard.

Pargetting of funnels, 10s. to 12s. per funnel, or 2d½. per foot, as may be agreed on.

Stock brick.
Foot arches, over doors and windows, &c. 4s. 4d. to 6s.
Eighteen inch arches, 6s. 6d. to 7s. 7d.
Circular arches over doors and windows, according to girt, 8s. 8d. to 11s. 4d½.
Eliptic arches over gates, according to base, 17s to 1l. 2s. 9d. } each.

Place brick.
Foot arches over doors and windows, 3s. to 3s. 4d.
Eighteen inch arches, 4s. to 4s. 4d.
Scheme arches over openings, 2s. to 2s. 6d.
Four inch arches, 1s. 4d.
Counter arches over doors, chimneys, &c. 3s. 6d. to 3s. 9d.
Eliptic arches over gates, 12s. to 15s.
Brick trimmers under hearths, 5s. 6d. to 6s. } each.

Kitchen grates according to magnitude, 8s. 1d½. to 11s. 4d½.
Metal ovens, boilers and hot plates, according to size or quantity contained therein, 20s. to 30s. } each.
Stew holes, 4s. to 4s. 6d.

Bath stoves, 6s. to 7s.
Quaker grates, 5s. 6d. to 6s. 6d.
Register grates, 7s. 7d. to 9s. 9d.
Wine bins, grey stock, (arched) according to size, 5s. to 6s. } each.

Pointing stock brick on old fronts, 6d.
Ditto place brick on fronts, chimneys, &c. 3d.
Hammered stone piers, 7d. to 8d. } per superficial foot.

Topping old chimneys, including pulling down, 20d. to 2s. 2d. per running foot.

Brick potting on chimneys, nine inches, 1s. 7d½.
Ditto, fourteen inches, 2s. 2d.
Ditto, eighteen inches, 3s. 3d. } each.

Setting, coping and window stools, 2d½. to 3d½. per superficial foot.

Splayed jaumbs and cant quoins to windows, 2d. to 2d½.
Eve courses, 2d.
Sewers, from 12 to 18 inches, flagged at top and bottom, 16d. to 22d. } per running foot.

N. B. All openings of doors, windows and chimneys, are workmanship only.

☞ All circular work, and 14 inch walls, are work and half.

STONE-

STONE-CUTTERS WORK.

PRICES,

Including setting, marked under the different Heads.

Common mountain stone flagging, window stools, and coping, five inches thick, 1s. 6d.
Plain mountain stone steps, 1s. 8d.
Pallisadoe base from six to eight inches thick, 2s.
Ditto exceeding eight inches thick, 2s. 2d.
Molded plinth to ditto, (the base wrought separate) 1s. 6d.
Plain ashlers of Kilgobbin stone, five to six inches thick, 1s. 10d.
Ditto Golden-hill stone, 2s. 6d.
Rustic ashlers, quoins, &c. Golden-hill stone, (extra over bond) 2s. 4d.
Ditto, Kilgobbin stone, 2s. 2d.
} per superficial foot.

Bonds (extra) 3s. per cube foot,

Moldings for ditto, ashlers, &c. of Golden-hill stone, according to the design, 3s. 6d. to 4s. 6d.
Ditto Kilgobbin stone, according to molding, 3s. 6d. to 4s. 6d.
} per superficial foot.

N. B. In coping and window stools, measure with a girt line (wherever the chissle goes) round the whole toothing by the full length.

Vein or dove marble in polished flat work, 10s. 10d.
Statuary marble, according to quality, 15s. to 1l. 2s. 9d:
Black and gold, and purple marble, inch thick, 1l. 2s. 9d.
Sciena and Brocatilla marble in vineers, 1l. 2s. 9d.
Jasper and green marble in ditto, 1l. 2s. 9d.
Cork marble in flat work, polished, 6s. 6d.
Kilkenny ditto ditto 5s. 6d.
Galway and other jet marble in flat work, polished, 6s. 6d.
Black stone chimney pieces, and hearth stones, 2s.
} per superficial foot.

Astragal moldings on the edges of marble slips, and above the superficial contents, 3s. 3d. per running foot.

Curves in black or any other stone hearths, 2s. 6d. per piece.
Ditto in marble, 3s. per piece.
Freestone slabs of all sorts, 1s. 9d. per superficial foot.

Freestone

Furnishing all Materials.

Freestone Bath stoves, two feet six inches wide in the clear and under, 16s. 3d.
Ditto from two feet six inches, to three feet wide and under, 20s.
Ditto three feet six inches and upwards, 26s.
} per piece.

N. B. The ash-hole blocks are to go in with the Bath stoves, but if other stone, to be measured and paid in addition to the above.

Vein or dove marble Bath stones, lined and screwed, according to the open of the chimney-piece, 4l. 11s. to 5l. 13s. 9d.
Black marble ditto, according to size, 3l. to 3l. 19s. 7d½.
Setting register and mock register grates, in black marble, with blocks, &c. 2l. 5s. 6d. to 2l. 16s. 10d½.
Ditto in Italian marble, 3l. 8s. 3d. to 3l. 19s. 7d½.
Freestone facings to same grates as above, 19s. 6d.
} per piece.

Portland flagging, laid diagonally, 2s. 2d.
Ditto in octagon, or mixed with black, 2s. 6d.
Ditto in straight courses, 2s.
Plain Portland cills and stools, stone and work, 3s. 6d.
Geometrical Portland stone stair-cases, molded, and four feet long, 3s. 9d.
Ditto from four to five feet, 4s.
Ditto five feet long and upwards, 4s. 6d.
Ditto plain, four feet long, do. 3s. 6d.
} per superficial foot.

Joggles at landing, 1s. 6d per running foot.
Circular geometrical steps molded, for stone work, 5s. per superficial foot.
Plain ditto ditto 4s. 6d. per ditto.
Portland ashlers, supposed six inches bed, 3s. 10d. per ditto.

Mountmellick flags, squared and laid, 6s.
Ditto black stone, or Cursis-stream, 5s. 6d.
Carlow ditto, 7s.
English flags, white 10s. 6d.—red, 9s. 9d.
} per square yard.

Tomb-stones, { Eight feet by four feet, 12l.
Seven feet by three feet six inches, 9l. 10s.
Six feet by three feet, 8l. } each.

N. B. No marble stone of any size less than 3l. 19s. 7d½. to 4l. 11s.
All letters thereon, 2d. each.

To

To find the solid content of a marble block.

RULE.

Multiply length by breadth in feet and inches, and that product by the depth in feet and inches will give you the solid content in feet by which it is sold.

N. B. Twelve solid feet of marble make a ton.

OPERATION.

	Ft.	In:	
Admit	6	6	length
by	2	4	breadth
	2	2	0
	13	0	0
	15	2	
	1	3	thickness
	3	9	6
	15	2	0
	18	11	6

or 18 feet ½ solid.

SLATORS WORK,

Is measured by the square of 100 square feet.

No deduction for chimney-shafts. Hips, vallies and eves, added to the content of the roof as double measurement.
Six hundred of double slates cover a square of work.
One thousand of singles, ditto.
One hundred and sixty-five titles, ditto.
Forty laths will do a square of work.
A ton of slates will do about a square and ¼ of work.

PRICES OF SLATORS WORK,

Furnishing all Materials.

Slating and rendering with double or single slates, 40s. to 2l. 5s. 6d.
Pointing, mortar and work, 5s. to 5s. 6d.
Upright or weather slating, 46s. to 50s.
Tun slating, 65s. to 70s.
Closing gutters and breaches, (new slates excepted) 28s.
} per square.

And when not a square, 4d. per superficial foot.

Covering dry, with dutchess, countess, or lady slates, double laths and rendering, 50s. to 56s.
Patent slating, 70s. to 75s.
English tiles, covering and pointing, 40s. to 45s.
} per square

PRICES OF SLATORS WORK,

WORKMANSHIP ONLY.

Slating and rendering, 12s. to 14s.
Pointing, 3s. 3d. to 3s. 6d.
Upright or weather slating, 20s. to 21s.
Tunn slating, 16s. to 17s.
Stripping and closing gutters, not exceeding 12 inches in depth, 16s. 8d.
} per square.

Covering dry, with dutchess, countess, or lady slates, double laths and rendering, 12s. to 13s.
Patent slating, 16s. to 18s.
Tiles, coveriug and pointing, 9s. 9d. to 10s. 10d.
} per square

GLAZIERS WORK.

Is measured from putty to putty by the superficial foot.

N. B. Where windows are arched, or of a curved form, they are measured from out to out by their full diameters.

Table for working the Dimensions.

Feet multiplied by feet produce feet.
——————— inches ——— inches.
——————— parts ——— parts.

Inches multiplied by inches produce parts.
——————— parts ——— seconds.

Parts multiplied by parts produce thirds.

Note.——Twelve thirds make one second.
——— seconds ——— part.
——— parts ——— inch.
——— inches ——— foot.

Example. A piece of work 16 feet 6½ inches, by 8 feet 4½ inches, how many superficial feet?

RULE.

Multiply the given dimensions together in feet, inches in parts, and the content will appear in superficial feet.

OPERATION.

	Ft.	In.	Parts.	
	16	6	6	
by	8	4	6	
	132	4	0	seconds.
	5	6	2	0
		8	3	3
	138	6	5	3

Or, 138 feet and ½ superficial.

PRICES

PRICES OF GLAZIERS WORK,

Furnishing all Materials.

British glass or Scotch.

First and second quality, not 2½ to 3 feet and upwards, 18d. to 20d.
Ditto, third quality, 16d.

Newcastle crown.

Squares. { 2½ and not 3 feet, 2s. 6d.
3 feet and upwards, 3s. 3d.
Dim glass of any dimensions, 3s. 9d½.
New work, the employer finding glass, 4d.
Sky-lights, puttied inside and outside, 4d.
Hot-house and dwelling-house windows, puttied inside and outside, 3d.

per foot.

Glazing hot-houses with squares,

Six inches by four, 6d.
Seven do. by five, 6d½.
Eight by six, six by seven, ten by eight, and eleven by nine, 7d. to 8d.

Fancy lead-work, 2s. 4d. to 2s. 8d.
Quarry work, 1s. 4d. to 1s. 8d.
Plain lead lights, 1s. 4d.
New leading of old glass, 1s.

Cleaning. { All garret, bed-chamber, kitchen, and out-office windows, 4d.
Drawing-rooms and parlours, 6d.
Stair-head windows, according to height and risque, 1s. to 1s. 8d. } each.

PRICES OF SMITHS WORK,

Furnishing Materials.

Pallisadoes, 2l. 2s. per cwt.
Iron gates, per pattern, per agreement.
Scrole pannels to geometrical stair-steps, according to the form, 8s. 1d½. to 1l. 2s. 9d. per step.

Hunting, or field gates, 5d. to 6d½.
Window bars and area grates, 5d.
Plain kitchen grates, 4d½. to 5d.
Plain iron hand-rails to geometrical stair steps, 6d.
Kitchen grates with wind-up niggers, finished in an elegant manner, 7d.
Standard globes irons, 6d½.
} per lb.

Arch globe irons and smoak jacks, per agreement.
Extinguishers, from 11s. 4d½. to 16s. 3d. per pair.

PRICES OF FOUNDERS WORK,

Furnishing Materials.

Boilers under 120 gallons, 1s. 1d.
Ditto, over ditto, 1s.
} per gallon.

Doors and frames, 28s.
Barrs, 18s. 8d.
Hot-hearths, 20s.
Cones and grates, 23s. 4d
Pallisadoes, 28s.
Stew-holes, rings and grates, 28s.
Area grates, 28s.
Setting ovens, 28s.
Sash weights, 16s. 4d.
Vault stoppers, 23s. 4d.
} per cwt.

Fastenings, for ditto, 8d. per lb.
Registers, 5s. 5d. and upwards according to size.
Fire frames and stoppers, common size, 5s. to 7s.
} each.

PRICES

PRICES OF PLUMBERS WORK,

Furnishing Materials.

Sheet lead, 50s.
Milled lead, 54s. to 56s. } per cwt.
Solder, 13d. per lb.
Lead trunks, battened cisterns, &c. 58s. to 60s. per cwt.

Lead pumps with cylinder 18 inches in length, box-piece, wood-boxes, iron handle and piston, with wood-case to the pump, complete for fixing up, at the following prices, viz.

Bore of cylinder. { 2½ inch, 3l. to 4l. / 3 inch, ... 4l. 11s. / 4 inch, ... 5l. 13s. 9d. } each.

LEAD PIPES.

Bore.		s.	d.		Proportion of weight. lb.		lb.	
¾	inch	1	4	per running ft.	2¼	to	3	each.
	inch	2	0		3¼	to	4	
1½	inch	3	0		5½	to	6½	
2	inch	4	6		7	to	8	
2½	inch	5	6		9	to	10	
3	inch	6	6		14	to	15	

Jointing of pipes according to the above proportion, from 2s. 2d. to 8s. per joint.

Men's labour, fixing down ditto and laying sheet lead, plumber 6s. 6d. labourer, 3s. per day.

N. B. All lead returned in exchange for new sheet lead, to be allowed within nine shillings of the current price of sheet lead, after deducting 8lb. per cwt. tare, as an allowance for dross.

PAINTERS WORK,

Is measured by the square yard, unless the following Articles.

Cornices, ovella mouldings, base, surbase, skirting, trunks and gutters, which are by the running foot.
Sash and frame outssde, scroll pedestals to iron pallisades, iron bars to kitchen windows, and carved cartouches to stair-cases, by the piece.
Measure your sashes by the same method as in carpentry; and in hand-rails and bannisters of stairs measure both sides.
Fillagree mahogany on doors, per the side.
Stucco fancy ceilings in varigated colours, according to richness and number of colours, per agreement.

PRICES OF PAINTERS WORK.

Furnishing all Materials.

Best linseed oil and lead (white) once done, 5d.—twice, 8d.—thrice, 10d. four times, 12d. } per yard.
Flat white done in walnut oil and best lead, one done, 5d.—twice, 8d½. thrice, 11d½. and four times, 14d. } per yard.

Fillagree work on doors, 4s. to 5s. per side.

Common blue or green finished, 18d. to 20d.
Best blue or green done in verditer, flat on walls, also pink or lilac, four times done, in best manner, 1s. 10d. to 2s. 4d.
Stone colour or pearl, four times done, flat on walls, 20d. to 2s.
Figured work on floors, finished according to pattern, 3s. to 4s.
Plain colour on floors, four times done, 14d. to 15d. } per yard.

Stucco fancy entablatures, according to depth, and the number of members picked in, four times done, 16d. to 2s.
Cornices, dead white, or stone colour, according to depth, finished, 4d. to 8d.
Stucco cornices, flat white, according to depth, finished, 7d to 13d. } per running foot.

Entablatures over chimney pieces, (if carved) 3s. 3d. to 12s.
Ditto do. (if plain) 2s. to 5s. 5d.
Carved cartouches to stair-cases, 2d. to 4d. } each.

N.B: Stucco of any cielings painted in varigated colours, according to their richness and number of colours therein to run, per agreement.

Large

Furnishing all Materials.

Large sash and frame on outside, once done, 2s.—twice, 3s. 3d.—thrice, 4s. 6d.
Middle size ditto, one done, 1s. 4d.—twice, 1s. 10d.—thrice, 2s. 6d.
Small ditto, once done, 12d.—twice, 16d.—thrice, 20d.
Plaistered reveals, painted once, 10d.—twice, 15d.—thrice, 18d.
Window stools, once done, 6d.—twice, 9d.—thrice, 12d.
Scrole pedestals to iron pallisadoes, finished, 2s. 8d½.
Iron bars to kitchen windows, according to colour, 2d. & 2d½.
} each.

Base, surbase, chimney mouldings, once done, 1d½.—twice, 2d. to 2d½.—thrice, 3d.
Trunks and gutters, once done, 2d.—twice, 3d.—thrice, 4d.
Bede moldings, white, blue, green, crimson, purple, violet, orange, primrose, and pompadore, finished, 1d½. to 2d.
} per running foot.

N. B. All dark colours once done, 4d. twice, 6d. thrice, 8d. per yard.

Destemper colours in House-painting.

Ornament cornices, whitened in best Paris white, 3d. to 4d.
Enrichments, 2d. to 3d.
Ornament freeze, picked, in fancy colours, also ornament white, 7d. to 8d.
} per foot.

Best verditer blue, green, leak, pink, or fine colours, 10d. to 12d.
Common blue, green, black, pearl and straw colour, 4d½. to 5d.
Stone, grey, or buff colours, 3d½. to 4d.
} per yd.

N. B. Any destemper colour done on paper and prepared, ought to be returned paper-hanging measure.

PLAISTERING AND STUCCO WORK.

CUSTOMS.

Rendering on roofs, by the square of 100 feet.
Plaistering behind skirting, by the running foot.
Bedding and pointing of sash frames, by the piece.
Walls and ceilings by the square yard of 9 square feet.
Outside reveals, by the piece.
Stucco cornices, and staffs on quoins, by the running foot.

PRICES

PRICES OF PLAISTERERS WORK.

	Furnishing Materials.	*Workmanship only.*	
Plain cielings, - - -	18d.	5d to 6d.	per yard.
Plain brick walls, - -	7d.	4d. to 5d.	
Rough stone, - - -	8d.	5d.	
Ceilings, skimmed or half coated, -	20d.	6d. to 7d.	
Ditto, coated, - - -	2s.	9d to 10d.	
Floated walls for paper, -	8d. to 9d.	6d.	
Floated and coated walls, - -	13d.	9d.	
Ditto on hard grounds for painting,	18d.	11d.	
Coated cielings on stucco laths, 4dy. nails,	2s. 4d.	9d.	
Floated ashler plaistering marked, to			
20 feet high, -	20d.	8d.	
20 to 30 ditto,	2s. 2d.	9d.	
30 to 40 ditto,	2s. 4d.	10d.	
Plaistering and rough-cast pebble dashing according to height and expence of scaffolding,	18d. to 2s.		
Rendering between joists, -	8d.	4d.	
Rendering slates on roof, - -	6s.	3s. per square.	

Bedding and pointing sash frames, viz.

Garret, - - -	1s. 4d.	7d.	each.
Attic, - - -	1s. 9d.	9d.	
Parlour and middle floor,	2s. 4d.	12d.	

Common plaistering on groins, -	1s.	7d. per yard.
Groins of ditto, - -	4d.	per run. foot.
Ditto finished in stucco, - -	18d.	9d. per yard.
Staffs of ditto, and forming groins,	6d.	5d. per run. foot.
Staffs on quoins opened, large 3d. small 2d.	- -	- per ditto.

Plain

	Furnishing Materials.	*Workmanship only.*	
Plain six-inch cornices, (Dubbing 2d. per foot)	10d.	5d½.	per run. foot.
Ditto, nine inches, (Dubbing 3d. per foot)	14d.	7d½.	per run. foot.
Ditto, twelve inches, (Dubbing 4d. per foot)	20d.	9d½.	per run. foot.
Solid filling behind skirting,	2d½. to 3d.	1d.	per run. foot.
Coated circular sophets on brick arches,	7d.	3d½.	per superficial foot.
Ditto, on laths,	9d.	7d.	per superficial foot.
Ditto, pannelled,	18d. to 20d.	10d.	per superficial foot.
Outside reveals of windows, &c. according to size,	18d. to 2s. 6d.	—	each.

It is impossible to regulate or fix any standard for prices of ornamented cornices and freezes, or ceilings, they vary so much in design or execution: even the same design executed indifferently, bears no proportion to the value when done in a masterly manner.

White-washing.

Plain, once done, 12d. twice, 16d. thrice, 20d. per square.

Stucco whitening, once, 2d½. twice, 3d½. thrice, 4d½. according to height and addition of scaffolding. — per yard.

Plain cornices whitened, once, 1d. twice, 1d½. thrice, 2d. — per running foot.

Enriched cornices, according to No. of members therein, and No. of times done, 3d. to 6d. — per running foot.

PAPER-HANGING MEASURE.

How many yards of paper, 3 feet by 1 foot 8 inches each yard, doth that room contain, whose dimensions are 12 feet in height by 60 feet in the four angles?

RULE.

Multiply the number of feet in the angles, by the number of feet in height, which when divided by 5, will give the content in yards,

OPERATION.

Feet.
60 angles.
12 height.

5 | 720

12 | 144 yards, or 12 dozen.

PAVIOURS WORK,

Is measured by the Square Yard.

Workmanship only, 4d. to 4d½.
Repairing old pavements, 8d. to 9d.
New work, furnishing materials, 16d. to 17d.
} per yard.

SINKING

SINKING FOUNDATIONS,

Are measured by the Cubical Yard of twenty-seven Cubical Feet.

EXAMPLE.

A vault or cellar 20 feet long, 19 feet 6 inches broad, and 9 feet 6 inches deep, how many yards of digging contained therein?

RULE.

Multiply the length by the breadth, and that product by the depth, (each in feet and inches) which last product divided by 27, gives the cubical yards contained.

OPERATION.

Ft.	In.	
20	0	length.
19	6	breadth.
380		
10		
390		
9	6	inches deep.
3510		
195		
3705		

27 | 3705 | 137 yds. 6 feet. Answer.

100

195

6

The price of digging, clearing and carrying away, according to the kind of earth and length of the carriage, 10d. to 2s. } per cube yard.

NAVAL MEASURE.

GENERAL RULES

FOR DETERMINING THE

Carpenters tonnage of Ships in England and Ireland.

ENGLAND.

They measure ships taken into his Majesty's service, as follow:

VIZ.

1st, Let fall a perpendicular from the back of the main post, at the height of the wing transom, to the rabit of the keel produced.

2d, Set forward from that, 2 inches and ½ for every foot in height, for the rake of the post; and from that point measure to the perpendicular let fall from the foreside of the stem, observing if the ship is not on an even keel, to make use of a square applied to the base board.

3d, From that length deduct three 5ths of the extreme breadth, and the remainder is accounted the length of the keel for tonnage.

4th, Multiply this length by the extreme breadth, and its product by the ½ breadth, which last product divided by 94, the quotient will be the tonnage.

Example.

EXAMPLE.

Length of the keel for tonnage, 70½ feet, and extreme breadth, 24¼ feet, how many tons?

OPERATION.

Ft. In.
70.5 length.
24.25 breadth.

35 25
141 0
2820
1410

17096.25
12.125 half the extreme breadth.

8548 125
34192 50
170962 5
3419250
1709625

tons. tons.
Divisor 94)20729)203.125 (220 49-94ths | or 220
188..

.192
188

..49 remainder.

Note. 25 is the decimal of ¼
50 ditto of ½ } of any thing.
75 ditto of ¾

☞ Point off your decimal places, which are 6 in number.

N. B. If you multiply the length of the keel by the square of the breadth, and divide by 188, it will give the same quotient

Merchants

Merchants Ships in LONDON and several other Parts IN GREAT-BRITAIN.

1st, Take the depth of the keel below the rabbit; set that off from the rabbit of the stern post aftward, from that point measure forward to the perpendicular let fall from the foreside of the stem at the height of breadth; deduct from that length 3-5ths of the extreme breadth; the remainder is accounted the length of the keel for tonnage.

2d, For the breadth.—Take the breadth extreme, from outside of plank to outside of plank, either above or below the wailes, where you find the ship or vessel broadest.

3d, For the depth of the hold.—Take half the extreme breadth.

4th, Multiply the length by the breadth, and that product by the half breadth, which last product divided by 94, and the quotient will be the tons required.

Have proper respect to your decimal places, as in the foregoing operation.

WEST CHESTER AND LIVERPOOL.

1st, Measure from the aft side of the main stern post, to the perpendicular let fall from the forepart of the stem at the height of breadth. From that length deduct 3-5ths of the extreme breadth molded; the remainder is accounted the length of the keel for tonnage.

2d, For the breadth.—Take the extreme breadth molded; that is, from outside of timber on one side, to outside of timber on the other side, at the broadest part of the ship or vessel, either above or below the wailes.

3d, For the depth.—Take half the extreme breadth molded, and proceed as before.

CITY OF DUBLIN.

A double-decked Vessel.

1st, Measure from the aft side of the main stern post, to the perpendicular let fall from the foreside of the stem at the height of breadth; deduct one half of the extreme breadth molded, out of that length, the remainder is accounted the length of the keel for tonnage.

2d, For

2d, For the breadth.—Take the extreme breadth molded; that is, the broadest part of the ship or vessel, from outside of timber on one side to outside of timber on the other side, either above or below the wailes, where you find her broadest.

3d, For the depth.—Measure from the ceiling at the side of the keelson to the upper side of the main beam add to that depth; one half of the height contained between the upper side of the main beam and the upper side of the upper deck beam; the sum is accounted the depth of the hold, provided the extreme half breadth molded do not exceed it; if so, take the extreme half breadth molded for the depth of the hold.

Single-decked Vessel.

Take the length of the keel as above, likewise the extreme breadth, and for the depth of the hold measure from the ceiling at the side of the keelson, to the upper side of the main beam, which is accounted the depth of the hold, provided the extreme half breadth molded do not exceed it; if so, take the half breadth for the depth.

Then multiply the length by the extreme breadth molded, and that product by the depth of the hold, (or by the extreme half breadth molded if it exceeds the depth) divide that product by 94, and the quotient will give the required tons; observing to point off your decimal places, as in the operation, page 109.

In finding the decimal of any number of inches or quarters, add cyphers to the number of quarters, and divide by 48, the quarters in one foot, and the decimal will appear.

THUS:

I want to find the decimal of an inch and ¼, which is 6 quarters.

48 | or 6000 | 125. is the decimal of an inch and ¼.

120
96

240
240

. . .

And so of any other.

THE END.

#6500

8/6